

**Catalogue of American Amphibians and  
Reptiles 920.**

Anton, T. G. 2019. *Regina grahamii*.

***Regina grahamii* (Baird & Girard)  
Graham's Crayfish Snake**

*Regina grahamii* Baird and Girard 1853:47.  
Type locality, "Rio Salado" = Salado  
Creek, Bell County, Texas (Schmidt,  
1953:158); revised to Rio Salado, 4 miles  
from San Antonio, Bexar County, Texas  
by Cochran (1961:208). Holotype, United  
States National Museum (USNM) 1376,  
adult female (260 mm) total length, col-  
lected by J. D. Graham, date of collection  
unknown (examined by author).

*Tropidonotus grahamii*: Günther 1858:78.

*Tropidonotus leberis grahamii*: Jan 1863:72.

*Tripodonotus grahamii*: Cragin 1881:116.  
*Lapsus*.

*Tropidonotus grahamii*: Yarrow 1883a:131.

*Tropidonotus leberis*: Davis and Rice 1883:30.

*Regina leberis*: H. Garman 1889:132.

*Tropidonotus grahamii*: Hay 1891:113.

*Natrix grahamii*: Cope 1892:668.

*Regina grahamii*: H. Garman 1892:273–4.

*Natrix grahamii*: Hay 1892:589.

*Tropidonotus grahamii*: Boulenger 1893:240.

*Natrix grahamii*: Hurter 1893:257.

*Natrix grohamii*: Baker and Woodruff  
1897:447. *Lapsus*.

*Natrix rigida*: McLain 1899:3. Incorrect attri-  
bution

*Regina grahamii*: Smith and Huheey 1960:159.

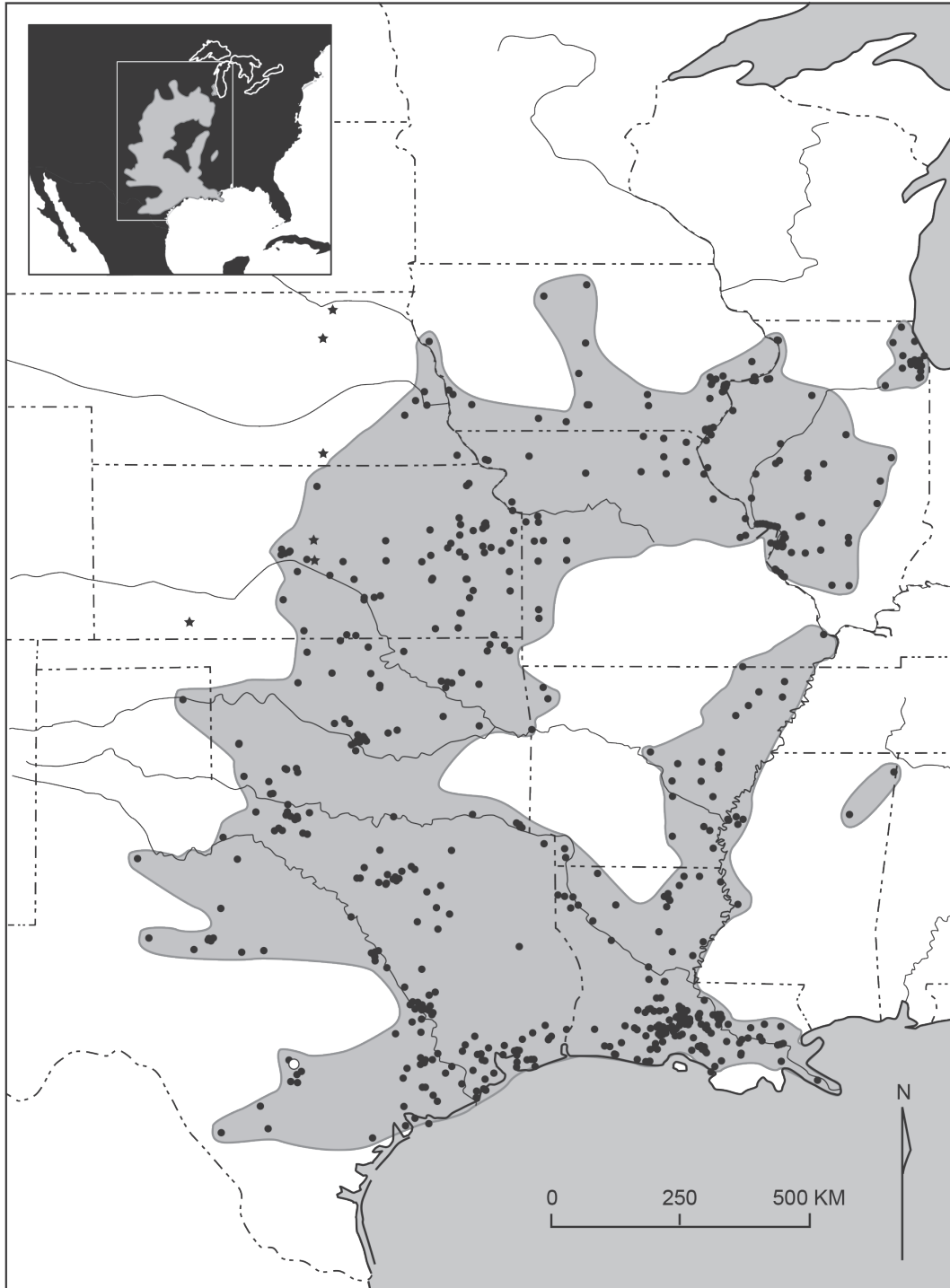
*Regina grahamae*: Hibbitts and Adams 2015:  
221. *Lapsus*.

CONTENT. No subspecies are recognized.

DESCRIPTION. *Regina grahamii* is a medi-  
um-sized (460–710 mm total length; largest  
specimen 1,194 mm (Boundy, 1995)), mod-  
erately stout-bodied snake. Mean female SVL  
592 mm; mean male SVL 543 mm. Variation  
in scalation as follows: 17–20 midbody dorsal  
scale rows; 155–178 ventrals (males 162–175;  
females 155–178); 51–67 subcaudals (males  
60–67; females 51–64). One loreal, 2 preoc-  
ulars; 2–3 postoculars, 7–8 supralabials, 9–11  
infralabials (Ernst and Ernst 2003). Scales  
heavily keeled with apical pits; anal plate di-  
vided. Unique within the genus as having the



**FIGURE.** Gravid female *Regina grahamii* from Lake County, Illinois (photo by S. L. Barten, DVM).



**MAP.** Distribution of *Regina grahamii*. The open circle (southcentral Texas) represents the type locality, the dots indicate additional localities, and the stars denote fossil sites. Gray shading represents a hypothesized distribution for this species and also serves to highlight isolated records and/or appropriate habitat.

lowest proportionate head length relative to body length and the highest ventral count (Gibbons and Dorcas 2004). Dorsal ground color is typically dark brown to medium-dark

olive, with a yellowish, light olive or tan lateral stripe encompassing the lower three scale rows and distinctly bordered below by an irregular, narrow black line on the outer

margins of the ventrals and occasionally bordered above by a fainter dark line between the third and fourth scale rows. A dark median stripe 2–3 rows in width may be present. Ventral color variable: cream, off-white, grayish-, greenish-, or yellowish-white with a faint median stripe or row of dark spots on the posterior third of the venter. Iris bronze, brown, or yellow; coloration of upper and lower labials and top of head sharply demarcated. Variation in size and body color occurs across the range (Ernst and Ernst 2003). An instance of albinism was described by Liner (1982).

**DIAGNOSIS.** The only striped semiaquatic natricine snakes within the range of *Regina grahamii* and with which it may be confused are the Striped Crayfish Snake (*Liodytes rigida*), Queen Snake (*Regina septemvittata*), Ribbon Snakes (*Thamnophis proximus*, *Thamnophis sauritus*) and Common Garter Snake (*Thamnophis sirtalis*). The presence of three light stripes running the length of the body, a slender body proportion, and a single anal plate will distinguish the genus *Thamnophis* from *Regina grahamii*. *Regina grahamii* also features the lowest proportionate head length relative to body length and highest ventral count among all other members of the genera *Liodytes* and *Regina*.

**PHYLOGENETIC RELATIONSHIPS.** Initial studies based on morphology (Rossman 1963) and electrophoresis (Lawson 1987) suggested that *Regina grahamii* is most closely related to *Nerodia*. Biochemical and microdermatoglyphic characters support a close relationship to *Regina septemvittata* (Lawson, 1982, 1985; Price 1981, 1983), a species considered to be the sister species to *Regina grahamii* by Alfaro and Arnold (2001). Classic taxonomic groupings of the crayfish snakes were found to be invalid by McVay and Carstens (2013), with no support for monophyly of *Regina grahamii* + *Regina septemvittata*. Paraphyly was confirmed in eight genera within the Natricinae by Figueroa et

al. (2016), including *Regina*.

**PUBLISHED DESCRIPTIONS.** General descriptions were published by Ernst and Barbour (1989a, 1989b), Ernst and Ernst (2003), Gibbons and Dorcas (2005), Gold (2005), Schmidt and Davis (1941), Smith and Brodie (1982a, 1982b), and Wright and Wright (1957, 1994). Other specific descriptions include hemipenes (Cope 1895; Rossman 1963), karyotype (Eberle 1972; Kilpatrick and Zimmerman 1973), microdermatoglyphics and scales (Price 1981, 1983), nares and teeth (Rossman 1963), and vertebrae (Holman 2000).

**ILLUSTRATIONS.** **Line drawings** were presented by Baird (1859a, 1859b [1978], 1959c [1987], 1859d, 1859e [1978]). Additional engraved prints, half-tones and pen-and-ink drawings of dorsal/ventral pattern, head scutellation, and dorsal, ventral, and lateral views of the head and tail were published by Boulenger (1893), Conant and Collins (1991, 1998), Cope (1896, 1900), Dyrkacz (1974), S. Garman (1884a, 1884b), Gibbons and Dorcas (2004), Jan and Sordelli (1868, 1961), Mitchell (1903), Powell et al. (1998, 2012), Savage and McDiarmid (2018), Schmidt and Davis (1941), and Wright and Wright (1957, 1994). Detailed pen and ink drawings of the hemipenes were illustrated by Rossman (1963). Line drawings of vertebral elements were provided by Holman (1972, 1981, 1984, 1987a) and Rogers (1984). **Color illustrations and photos of live specimens** were presented by Bartlett and Bartlett (2005), Behler and King (1979, 1985, 1988), Boundy and Carr (2017), Busby et al. (1996), Christiansen and Bailey (1986, 1990), Coborn (1991, 1994), Cochran and Goin (1970), Collins (1993), Collins and Collins (2009b); Collins et al. (1994, 2010), Conant and Collins (1991, 1998), Dundee and Rossman (1989), Ernst and Ernst (2003), Gibbons (2017), Gibbons and Dorcas (2004, 2005), Howell (2015), Irwin (2004), Jackson (1983), Minton (2001), Müller (2005), Prairie



Research Institute (2014), Pustejovsky (2013, 2014, 2016, 2017a, 2017b, 2017c, 2017d, 2018 [all variants of same photo]), Sievert and Sievert (undated, 1993, 2006, 2011), Tennant (2003), Tennant and Bartlett (2000), Trauth et al. (2004), and Vitt and Caldwell (2014). **Black-and-white photos** were published by Allyn (1952, 1956, 1961, 1977), Anderson (1965), Christiansen and Burken (1978), Conant and Bridges (1939, 1942), Ditmars (1907, 1939), Gold (2005), Leuth (1949, 1956), Ricciuti (2001), P. Smith (1961), and Wright and Wright (1957, 1994).

**DISTRIBUTION.** West of the Mississippi River, *Regina grahamii* ranges from Iowa and southeastern Nebraska south to southeastern Kansas, central Oklahoma and the Gulf Coast of Louisiana and central and eastern Texas; east of the Mississippi River it occurs in western Illinois, exclusive of the Wabash and Ohio River drainages, and in both northwestern and northeastern Mississippi. This species is absent from the uplands of the Ouachita and Ozark ranges. Isolated populations occur in northwestern Arkansas, northeastern Illinois, and northern Iowa. A record in Kansas, previously mapped by Collins (1982), was omitted by Collins (1993) suggesting the earlier record to be a cataloging error. Most of the range is at elevations below 1500 m. Across the ten-state range of *Regina grahamii*, discontinuous populations are threatened by conversion of habitat to agriculture, industrial and residential development, and willful extermination. Habitats comprise a variety of permanent wetlands, usually featuring quiet water but include slow moving, mud-bottomed rivers and streams with an abundance of crayfish, prairie pothole wetlands, marshes, damp grasslands, lake shorelines, canals, quarries, vegetated ponds, sloughs, swamps, bayous, and wet meadows. This species is tolerant of limited human disturbance at some localities and has been found in flooded rice fields, roadside ditches and urban parks (Ernst and Ernst, 2003; Gibbons and Dorcas,

2004). A record cited by Neill (1958) from a brackish water marsh near Bay St. Louis, Mississippi is the only record for that part of the state. This may be an identification error, possibly *Liodytes rigida*, however, a specimen was not available for examination. References on distribution include: **Arkansas:** Byrd et al. (1989), Dellinger and Black (1938), Dowling (1957), Hurter and Strecker (1909), Irwin (2004), McLain (1899, 1971), Parker (1947), Perkins and Lentz (1934), Pustejovsky (2017a), Ramsey and McAllister (2004), Schwardt (1938), Trauth et al. (2004), and Vance (1982, 1985); **Illinois:** Anonymous (1966), Anton (1999), Baker et al. (2007), Cagle (1942), Collins (1964), Conant (1960), Edgren and Stille (1948), H. Garman (1889, 1892), Giazzon (2002), Gold (2005), Holman (1966), Leuth (1949, 1956), Lueth (1941), Mauger and Anton (2015), Necker (1939a, 1939b), Parmalee (1955), Pentecost and Vogt (1976), Peters (1942), Pope (1964), Pustejovsky (2017c), P. Smith (1947), P. Smith and Minton (1957), Thurow (1999), Thurow and Sliwinski (1991), Tucker (1994), Walley (1977), Walston and Walston (2008), Weed (1923), and Wilson (1999); **Iowa:** Christiansen and Bailey (1986, 1990), Christiansen and Burken (1978), Cox et al. (2005), Geske (1998), Goodman (1948), Guthrie (1926), Klimstra (1950), Loomis (1948), Pustejovsky (2017c), and Walley (2002); **Kansas:** Anonymous (1994, 2000a, 2008), Boyd (1988), Breukelman and Clarke (1951), Breukelman and Downs (1936), Breukelman and Smith (1946), Burt (1933), Busby and Pisani (2007), Busby et al. (1996, 2005), Clarke (1958, 1980), Clarke et al. (1958), Cleveland (1986), Collins (1976, 1989, 1990a, 1991a, 1991b, 1992, 1993, 1995, 1996, 2000, 2001, 2004, 2007), Collins and Caldwell (1977), Collins and Collins (1993, 2009a, 2009b), Cragin (1881, 1885a, 1885b, 1906), Hall and Smith (1947), Murrow (2008, 2009), Platt (2003), Pustejovsky (2017d), Riedle (1994), Riedle and Hynek (2002), Rundquist (1994, 1995a, 1995b, 1996, 1998, 1999, 2000), C. Schmidt (2003), H.

Smith (1950, 1956), Tihen (1937), Uhler and Warren (2008), Viets (1993), and Volkmann and Wiechman (1994); **Louisiana:** Boundy and Carr (2017), Clark (1949), Conzelmann (2003a, 2003b), Fitch (1949), Gibbons and Dorcas (2005), Hardy (1979, 1995), Himes (1999), Liner (1954), Pustejovsky (2014), Southern Biological Supply Co., Inc. (1931), Strecker and Frierson (1926), Viosca (1950, 1962), Walker (1963), and Williams (1997); **Mississippi:** Cliburn (1958, 1959, 1970), Cliburn and Woods (1967), Cook (1954, 1962), Gandy (1966), Gibbons and Dorcas (2005), Jackson (1983), and P. Smith and List (1955); **Missouri:** Anderson (1942), Boyer and Heinze (1934), Briggler and Johnson (2017), Dowling (1956), Edmond (1993), Hurter (1893, 1911), Myers (1957), Nickerson and Kragar (1972), Powell et al. (1982), and Pustejovsky (2018); **Nebraska:** Ballinger et al. (2010), Fogell (2010), Hudson (1942), Hudson and Davis (1940, 1941), and Pustejovsky (2017d); **Oklahoma:** Black and Black (1978), Carpenter (1958, 1959), Cline and Anderson (undated), Engbretson (1974), Force (1930), Lardie (1977, 1979, 1982), Lardie and Black (1981), McCoy (1960), Moore and Rigney (1942), Ortenburger (1926, 1927a, 1927b, 1927c), Pustejovsky (2017d), and Secor and Carpenter (1984); **Texas:** Bonn and McCarley (1953), Boundy (1994), A. Brown (1903), B. Brown (1950), Byboth (2000), Chaney (1982, 1990, 1993, 1996), Curtis (1949a, 1949b), Curtis and Sellers (1952), Curtis and Tinkle (1952), Cys (1976), Davenport (1943), Dixon (1987, 2000, 2013), Dixon and Werler (2005), Dixon et al. (2007), Guidry (1953), Gulf Coast Network (2010), Gunter (1971a, 1971b), Hambrick (1975, 1976), Hampton (1994), Hibbitts and Adams (2015), Hibbitts and Hibbitts (1994), Hibbitts et al. (n. d.), M. Jones et al. (2005), Karges (1982), Killebrew and Rhea (1980), Landwer and Lee (2001), Maxwell (2013), McAllister and Bibb (1991), McAllister and Ward (1986), McCord and Dorcas (1989), Merkord (1975), Owen and Dixon (1989), Parks and Cory (1936, 1938),

Parks et al. (1939), Pustejovsky (2013, 2016, 2017b, 2017d), Rakowitz et al. (1983), Ryberg et al. (2004), H. Smith and Buechner (1947), H. Smith and Sanders (1952), M. Smith and King (2018), Strecker (1902, 1908, 1915, 1922, 1926a, 1926b, 1930, 1935), Strecker and Williams (1927, 1928), Thornton and Smith (1993), Tinkle and Knopf (1964), Vance (1980), Vermersch (2001), Vermesch and Kuntz (1986), Werler and Dixon (2000), and Williamson and Moulis (1994).

**FOSSIL RECORD.** Fossil material from Kansas is from the Middle Pliocene (Brattstrom 1967; Gehlbach 1965; Rogers 1976), Late Pliocene (Brattstrom 1967; Rogers, 1984) and Late Pleistocene (Holman 1972, 1984, 1986, 1987a, 1987b). Middle Pleistocene fossils are reported from Nebraska (Ford 1992; Holman 1995), and the Late Pleistocene in Kansas (Holman 1973, 1987b; R. Preston 1979; Tihen 1962), Oklahoma, and Texas (Parmley and Pfau 1997). The fossil history of *Regina grahamii* was reviewed by Holman (1981, 1995, 2000) and comparisons with new taxa were made by Meylan (1982, 1984).

**PERTINENT LITERATURE.** **General accounts** were published by Allyn (1952, 1956, 1961, 1977), Ashton et al. (1974), Bartlett and Bartlett (2005), Behler (1999, 2005), Behler and King (1979, 1985, 1988), Blair et al. (1968), A. Brown (1901), P. Brown (1967), Clay (1938), Coborn (1991, 1994), Conant (1958, 1975), Conant and Bridges (1942), Conant and Collins (1991, 1998), Cope (1875, 1892), Curran and Kauffeld (1937), Ditmars (1907, 1910, 1912, 1933, 1936, 1939, 1946, 1948, 1964), Dundee and Rossman (1989), Ernst and Barbour (1989a, 1989b), Ernst and Ernst (2003), Ernst et al. (2002), Gibbons (2017), Gibbons and Dorcas (2004, 2005), Guthrie (1926), Harding (1997), Harding and Mifsud (2017); Harrison (1971), Howell (2015), Hutchins et al. (2003), Johnsgard (2001, 2003), Leuth (1949, 1956), Leviton (1972), Lueth (1941), Marr (1944), Mattison

(1995, 1999), Minton (2001), Müller (2005), Obst et al. (1984, 1988), Porter (1972), Powell et al. (2016), Reinhard and Vogel (1971, 1975), Roever (1979), Rossi and Rossi (1995, 2003), Schmidt and Davis (1941), Schwartz (1950), Seigel and Collins (1993), H. Smith (1953, 1965, 1977), H. Smith and Brodie (1982a, 1982b), Strecker (1915, 1926b), Vermersch and Kuntz (1986), Vogel (1963, 1964a, 1964b), Walls (1993), Welch (1987) and Wright and Wright (1957, 1994).

Relevant citations are listed by topic: **activity and movement patterns** (Carpenter 1981; Gloyd 1928, 1932; Hurter 1911; McDiarmid et al. 2012; Mushinsky and Hebrard 1977b, 1978; Nemuras 1966; Whiting et al. 1999), **anecdotal prey records** (Branson and Baker 1974; Ditmars 1907, 1912; Gold 2005; Laughlin 1959; Mattison 1995; Mushinsky 1987; W. Taylor 1892a, 1892b; Tennant 2003; Tennant and Bartlett 2000; Webb 1970), **behavior** (Bartlett and Bartlett 2005; Butler et al. 1980; Gibbons and Dorcas 2005; Jackson et al. 1976; Kofron and Dixon 1980; Mushinsky and Hebrard 1977b, 1978; Rijst 1990), **behavioral responses to feeding stimuli** (B. Branson and Baker 1974; Burghardt 1968; Pinney 1967; Waters and Burghardt 2005), **chromosomes and genetics** (Alfaro and Arnold 2001; Eberle 1972; Kilpatrick and Zimmerman 1973; Lawson 1985, 1987), **conservation, management, and status** (Bailey et al. 2006; Buhlmann and Gibbons 1997; Dodd 1987; Dyrkacz 1974; Graeter et al. 2013; L. Jones et al. 2016; Kingsbury and Gibson 2002, 2012; Maxwell 2013; Prairie Research Institute 2014; N. Scott 1996; H. Smith 1953; Tucker 1995; Young 1973), **diet** (Ditmars 1907, 1912; Godley et al. 1984; Gold 2005; Grant 1937; Hudson and Davis 1940, 1941; Klein 1949; Kofron 1978; Mushinsky and Hebrard 1977a; Penn 1950; Strecker 1926b, 1927; Tennant 2003; Tennant and Bartlett 2000), **dorsal scale microtopography** (Price 1981, 1983), **evolution and systematics** (McVay and Carstens 2013; Rossman 1963; H. Smith and Huheey

1960), **habitat** (Bailey et al. 2006; Bartlett and Bartlett 2005; Boundy and Carr 2017; Dowling 1956; Gibbons and Dorcas 2005; Gold 2005; Hampton 1994; Johnson 2000; Owen 1989; W. Preston 1970; Pustejovsky 2013, 2014, 2016, 2017a, 2017b, 2017c, 2017d, 2018; Seehorn 1982; P. Smith 1961; Tennant 2003; Tennant and Bartlett 2000; Trauth et al. 2004; Werler and Dixon 2000; Wright and Wright 1957, 1994), **hibernation** (Kofron and Dixon 1980; Nemuras 1966; Werler and Dixon (2000)), **life history** (Boundy and Carr 2017; Collins 1990a; Dunham et al. 1988, 1994; Fitch 1993; Hall 1969; Kofron and Dixon 1980; Sievert and Sievert [undated], 1993, 2006, 2011), **morphology, anatomy, and physiology** (Boundy 1995; Cutting and Irby 1970; Fleet and Plapp 1978; Fleet et al. 1972; Garrigues 1962; George and Dessauer 1970; Guthrie 1930a, 1930b; Jackson et al. 1976; King 2009; Malnate 1972; Mao and Dessauer 1971; Nakamura and Smith 1960; Neill 1958; Pope 1964; Rossman et al. 1982; C. Scott 1996; K. Smith and Mackay 1990; Stovall and Kennedy 1979; Wallach 1998), **nomenclature** (Beltz 1995; Collins 1990b, 1997; Collins and Collins 2009b; Collins and Taggart 2002, 2009; Collins et al. 1978, 1982; Comité sur les Noms Français Standardisés 2012; Committee on Standard English and Scientific Names 2008, 2012, 2017; Conant et al. 1956a, 1956b; Crother et al. 2001; Frank and Ramus 1995; H. Garman 1892; Ksas 2015; McDiarmid et al. 1999; Sokolov 1988; Strecker 1928; Tipton 2005; Wright and Wright 1957, 1994, Wrobel 2004; Zhao et al. 1993, 1998), **osteology** (Cundall and Irish 2008; Dwyer and Kaiser 1997; Ruthven and Thompson 1913; Varkey 1979), **parasites, pathogens, and predation** (Clark et al. 2003; Corkum 1966; Ernst and Ernst 2006; Fontenot and Font 1990; Goodman 1951; Hughes et al. 1941; Loomis 1956; MacDonald and Brooks 1989; Mushinsky and Miller 1993; Rabalias 1969; Radtke et al. 2002; Stunkard and Franz 1977; Wacha and Christiansen 1974; Zimmerman 1990), **regional**

**and state annotated checklists, catalogs, and keys** (Andreas 1884, 1975; Anonymous 2000b; Anton 1999; Arment 2005; Ballinger and Lynch 1983; Banks et al. 1987; Beyer 1900; Bick 1954; Blanchard 1925, 1940, 1947; Bogert 1966; Boulenger 1896; Boundy 1997; A. Brown 1901; B. Brown 1950; Burt 1927, 1935; Burt and Burt 1929; Burt and Hoyle 1934; Busby et al. 1996, 2005; Cagle 1941; Carpenter and Krupa 1989; Chaney 1982, 1990, 1993, 1996; Clarke 1980; Cliburn 1970; Cochran 1961; Collins 1996; Collins and Caldwell 1977; Cook 1943, 1954; Cope 1875, 1892, 1894, 1895, 1896, 1900; Cragin 1881, 1885a, 1885b, 1906; Curtis 1949a, 1949b; Davis and Rice 1883; Dixon 1987, 1993, 1996, 2000, 2013; Douglas 1980; Driver 1942; Dunn 1928, 1973; Eddy and Hodson 1950, 1955, 1961; Eddy et al. 1982; Edgren and Stille 1948; Gandy 1966; H. Garman 1892; S. Garman 1884a, 1884b, 1884c; Geske 1998; Gloyd 1928, 1944; Hay 1892; Hurter 1893; Johnson 1980; Johnson and Bader 1974; Karns et al. 1974; Keiser 1958; Keiser and Wilson 1969, 1979; Kennicott 1855; LeClere 1998; Lohoefer and Altig 1983; Lynch 1985; McDiarmid et al. 1999; McGuinty 1980; Merczak 1966; Morris et al. 1983; Mozley 1878; Müller 2005; Necker 1938, 1939a, 1939b; Niemiller et al. 2013; Ortenburger 1926, 1927a, 1927b, 1927c, 1930; Osborne 1891; Parmalee 1955; Pearsall 1940; Pentecost and Vogt 1976; Perkins 1940, 1949; Pope 1937; Potts and Collins 1991, 2005; Potts et al. 2001; Powell et al. 1998, 2012; Pustejovsky 2014, 2016, 2017a, 2017b, 2017c, 2017d, 2018; Schmidt 1953; Schmidt and Necker 1935; A. Smith 1951; Stejneger and Barbour 1917, 1923, 1933, 1939, 1943; Stille and Edgren 1948; Strecker 1915, 1926a, 1926b, 1930, 1935; E. Taylor 1929; W. Taylor 1892a, 1892b; Tennant 1984, 1985, 1998, 2003, 2006; Tennant and Bartlett 2000; Thomas 1974, 1976; Tipton 2005; Trauth et al. 2004; Van Cleave 1928; Wallach et al. 2014; Werner 1929; Wright and Wright 1952; Yarrow 1883a, 1883b), **reproduction** (Anderson 1942; Ba-

ker and Woodruff 1897; Beyer 1898; Black and Black 1978; Branson 1904; Busby et al. 1996; Conant and Bridges 1942; Fitch 1970, 1981, 1985; Gold 2005; Guthrie 1930a, 1930b; Hay 1892; Hubbs 2013; Irwin 2004; Kennedy 1964; Kofron 1979; Mertens 1968; Miner 1959; Pope 1964; Ramsey 1954; Seigel 1992; Seigel and Fitch 1984; Seigel and Ford 1987; Seigel et al. 1986; Shine 1991, 1994; Shine and Seigel 1996; Tennant 2003; Tennant and Bartlett 2000; Thornton and Smith 1995; Tinkle and Knopf 1964; Young 1973), **sex ratios and sexual dimorphism** (Hoge and Garcia 1949; Rijst 1990; Seigel 1992; Shine 1993), **thermal relationships** (Lillywhite 1987; Mushinsky et al. 1980). **Species accounts in state field guides** include: **Arkansas:** Dowling (1957), and Trauth et al. (2004); **Illinois:** Minton (1972, 2001); Phillips et al. (1999), and P. Smith (1961); **Iowa:** LeClere (2013); **Kansas:** Branson (1904), Collins (1974, 1976, 1981, 1982, 1993), Collins et al. (1994, 2010) H. Smith (1950, 1956), Zimmerman (1990); **Louisiana:** Cagle (1952), Douglas (1980) and Dundee and Rossman (1989); **Mississippi:** Lohoefer and Altig (1983); **Missouri:** Anderson (1965), and Johnson (1987, 2000); **Nebraska:** Ballinger et al. (2010), Briggler and Johnson (2017); Fogell (2010), and Hudson (1942); **Oklahoma:** Cline and Anderson (undated), Cross (1917), Engbretson (1974), Sievert and Sievert (undated, 1993, 2006, 2011), Webb (1970), and Webb and Ortenburger (1955); **Texas:** Dixon (1987, 2000, 2013), Dixon and Werler (2005), Raun (1965), Raun and Gelbach (1972), Tennant (1984, 1985, 1998, 2006), and Werler and Dixon (2000).

**ETYMOLOGY.** Regina derives from the Latin feminine “royal”, or “queen”. The specific epithet honors Colonel James Duncan Graham, U. S. Army who participated in the U.S.-Mexican Boundary Survey in the 1850s (Beolens et al 2013).



**ADDITIONAL VERNACULAR NAMES.**

Couluevre ecrevisse de Graham (Comité sur les Noms Français Standardisés 2012); “doc-ile water snake” (B. Brown 1950); Girard’s Water Snake (Gunter 1971a, 1971b; Hubbs 2013); Arkansas Water Snake, Graham’s Leather Snake, Graham’s snake, Graham’s Queen Snake, Prairie Water Adder, Prairie Water Snake (Wright and Wright 1957, 1994); Striped Moccasin (Strecker 1928); Graham’s Water Snake (P. Smith 1961; Wright and Wright 1957, 1994); Graham’s Crayfish Snake (Ernst and Barbour 1989a, 1989b; Ernst and Ernst 2003; Hubbs 2013; Parks and Cory 1936, 1938; Phillips et al. 1999; Trauth et al. 2004; Werler and Dixon 2000); Graham’s Flußkrebsnatter (Fotolulu 2018).

**ACKNOWLEDGMENTS.** David Mauger prepared the map; modifications by Jeff Horowitz.

**LITERATURE CITED**

- Alfaro, M. E. and S. J. Arnold. 2001. Molecular systematics and evolution of *Regina* and the Thamnophiine Snakes. *Molecular Phylogenetics and Evolution* 21:408-423.
- Allyn, R. 1952. A Dictionary of Reptiles. First Edition. The Great Outdoors Association, St. Petersburg, Florida. 85 + [2] pp.
- Allyn, R. 1956. A Dictionary of Reptiles and Amphibians. Great Outdoors Publishing Co., St. Petersburg, Florida. 87 pp.
- Allyn, R. 1961 [1956]. A Dictionary of Reptiles. Fourth Edition. Great Outdoors Publishing Co., St. Petersburg, Florida. 86 pp.
- Allyn, R. 1977 [1956]. A Dictionary of Reptiles and Amphibians. Reprinted. Great Outdoors Publishing Co., St. Petersburg, Florida. 87 pp.
- Anderson, P. 1942. Amphibians and reptiles of Jackson County, Missouri. *Bulletin of the Chicago Academy of Sciences* 6:203–220.
- Anderson, P. 1965. The Reptiles of Missouri. University of Missouri Press, Columbia, Missouri. xxiii + 330 pp.
- Andreas, A. T. 1884. History of Chicago. From the Earliest Period to the Present Time. Volume I. Ending with the Year 1857. A. T. Andreas Publisher, Chicago, Illinois. Frontispiece + 648 pp., 9 plates.
- Andreas, A. T. 1975. History of Chicago. Volume I. Reprint Edition. Arno Press, New York, New York. xxxiii + 648 pp.
- Anonymous. 1966. Collecting rarity. *Bulletin of the Chicago Herpetological Society* 1(5):32.
- Anonymous. 1994. Cheyenne Bottoms Reptiles & Amphibians. Kansas Department of Wildlife & Parks, Topeka, Kansas. Unpaginated Pamphlet.
- Anonymous. 2000a. KHS spring field trip sets record for attendance. *Kansas Herpetological Society Newsletter* 120:4–5.
- Anonymous. 2000b. Kansas Herpetological Society April-May amphibian, turtle and reptile count. *Kansas Herpetological Society Newsletter* 122:20.
- Anonymous. 2008. KHS 2008 spring field trip. *Journal of Kansas Herpetology* 25:2–3.
- Anton, T. G. 1999. Current distribution and status of amphibians and reptiles in Cook County, Illinois. *Transactions of the Illinois State Academy of Science* 92:211–232.
- Arment, C. 2005. Herper's Life List. A Field Checklist for the Native and Introduced Herpetofauna of the Continental United States and Canada. Coachwhip Publications, Landisville, Pennsylvania. 199 pp.
- Ashton, R. E., Jr., J. T. Collins, and G. W. Ferguson. 1974. Reptiles and Amphibians. Cooperative Extension Service, Kansas State University, Manhattan, Kansas. Environmental Education – Unit 2B Leaders Guide, 4-H 371. 19 pp.
- Bailey, M. A., J. N. Holmes, K. A. Buhlmann, and J. C. Mitchell. 2006. Habitat



- Management Guidelines for Amphibians and Reptiles of the Southeastern United States. Partners in Amphibian and Reptile Conservation Technical Publication HMG-2. iv + 84 pp.
- Baird, S.F. 1859a. Reptiles of the boundary, with notes by the naturalists of the survey. Pp. 1–35, Plates 1–41 *in* Report on the United States and Mexican Boundary Survey, Made Under the Direction of the Secretary of the Interior, by William H. Emory, Major First Cavalry and United States Commissioner. Volume II. Part II. Zoology of the Boundary. Washington, D.C. [The boundary survey was released in both Senate and House of Representatives impressions, as Serial Set 34th Congress, 1st Session, Senate Ex. Doc. No. 108 (A. O. P. Nicholson, printer), and House of Representatives Ex. Doc. No. 135 (Cornelius Wendell, printer). The mammalogy, ornithology, herpetology, and ichthyology contributions (text and plates) all were independently paginated and numbered].
- Baird, S. F. 1859b [1978]. Reptiles of the boundary, with notes by the naturalists of the survey [Reprinted]. Pp.1-35, Plates 1-41 [independently paginated] *in* Herpetological Explorations of the Great American West. Volume I (K. Adler, editor). Arno Press, New York, New York
- Baird, S.F. 1859c [1987]. Reptiles of the boundary, with notes by the naturalists of the survey. [Reprinted]. Pp. 1–35, Plates 1–41 *in* Report on the United States and Mexican Boundary Survey Made Under the Direction of the Secretary of the Interior, by William H. Emory, with an Introduction by William H. Goetzmann. Volume II. Part II. Texas State Historical Association, Austin, Texas. [The TSHA reprint was published in three volumes instead of the original two; Materials from Parts I and II, respectively, of the original Volume II were bound separately in the reprint. The mammalogy, ornithology, herpetology, and ichthyology contributions (text and plates) from Volume II Part II all were independently paginated and numbered].
- Baird, S.F. 1859d. Reptiles. Pp. [9–13], 14–16, Plates 24–36 *in* Reports of Explorations and Surveys, to Ascertain the Most Practicable and Economical Route for a Railroad from the Mississippi River to the Pacific Ocean, Made Under the Direction of the Secretary of War, in 1853–6, According to Acts of Congress of March 3, 1853, May 31, 1854, and August 5, 1854. Volume X. Part III. General Report upon the Zoology of the Several Pacific Railroad Routes [1857]. Washington, D.C. [Both the volume title page and the title page to Baird's contribution are printed with the date 1859; the page for 'General Report upon the Zoology...' is bound between those two title pages, and bears the date 1857. The copy available to us is from Serial Set of 33d Congress 2d Session, House of Representatives Ex. Doc. No. 91].
- Baird, S.F. 1859e [1978]. Reptiles. [Reprinted]. Pp. [9–13], 14–16, Plates 24–36 [independently paginated] *in* Herpetological Explorations of the Great American West. Volume I (K. Adler, editor). Arno Press, New York, New York.
- Baird, S. F. and C. Girard. 1853. Catalogue of North American reptiles in the Museum of the Smithsonian Institution. Part I – Serpents. Smithsonian Institution, Washington, D.C. xvi +172.
- Baker, F. C. and F. M. Woodruff. 1897. Note on *Natrix grohamii* B & G. Science, n.s. 5(115):447.
- Baker, S. J., D. Kirk, C. E. Schmidt, and M. J. Dreslik. 2007. *Regina grahamii* (Graham's Crayfish Snake). Herpetological Review 38:105–106.
- Ballinger, R. E. and J. D. Lynch. 1983. How

- to Know the Amphibians and Reptiles. The Pictured Key Nature Series, Wm. C. Brown Company Publishers, Dubuque, Iowa. viii + 229 pp.
- Ballinger, R. E., J. D. Lynch, and G. R. Smith. 2010. Amphibians and Reptiles of Nebraska. Rusty Lizard Press, Oro Valley, Arizona. 400 pp.
- Banks, R. C., R. W. McDiarmid, and A. L. Gardner (editors). 1987. Checklist of Vertebrates of the United States, the U.S. Territories, and Canada. United States Department of the Interior, Fish and Wildlife Service Resource Publication 166. 79 pp.
- Bartlett, R. D., and P. P. Bartlett. 2005. Guide and Reference to the Snakes of Eastern and Central North America (North of Mexico). University Press of Florida, Gainesville, Florida. xvii + 342 pp.
- Behler, J. L. 1999. National Audubon Society First Field Guide. Reptiles. Chanticleer Press, Inc., Scholastic, Inc., New York, New York. 160 pp.
- Behler, J. L. 2005. National Audubon Society First Field Guide. Reptiles. Chanticleer Press, Inc., Scholastic, Inc., New York, New York. Barnes & Noble Books, Inc. edition. 160 pp.
- Behler, J. L. and F. W. King. 1979. The Audubon Society Field Guide to North American Reptiles and Amphibians. First Printing. Alfred A. Knopf, New York, New York. 719 pp.
- Behler, J. L. and F. W. King. 1985. The Audubon Society Field Guide to North American Reptiles and Amphibians. Fourth Printing. Alfred A. Knopf, New York, New York. 743 pp. [Pagination increased between 1st and 4th printing because index changed from three columns to single column].
- Behler, J. L. and F. W. King. 1988. The Audubon Society Field Guide to North American Reptiles and Amphibians. Fifth Printing. Alfred A. Knopf, New York, New York. 743 pp. [Thirty printings between 1988 and 2018].
- Beltz, E. 1995. Citations for the Original Descriptions of North American Amphibians and Reptiles. Society for the Study of Amphibians and Reptiles Herpetological Circular 24. iii + 44 pp.
- Beyer, G. E. 1898. Contributions on the life histories of certain snakes. The American Naturalist 32:17–24.
- Beyer, G. E. 1900. Louisiana herpetology. Proceedings of the Louisiana Society of Naturalists 1897–1899:25–46.
- Bick, G. H. 1954. A bibliography of the zoology of Louisiana. The Proceedings of the Louisiana Academy of Sciences 27:5–48.
- Black, J. H. and A. H. Black. 1978. Brood of Graham's water snakes from Pottawatomie County, Oklahoma. Bulletin of the Oklahoma Herpetological Society 3(4):69.
- Blair, W. F., A. P. Blair, P. Brodkorb, F. R. Cagle, and G. A. Moore. 1968. Vertebrates of the United States. Second Edition. McGraw-Hill Book Company, New York, New York. 616 pp.
- Blanchard, F. N. 1925. A key to the snakes of the United States, Canada and Lower California. Papers of the Michigan Academy of Science, Arts, and Letters 4, Part 2. xiii + 65 pp.
- Blanchard, F. N. 1940 ("1939"). A key to the snakes of the United States, Canada and Lower California. Reprinted from Papers of the Michigan Academy of Science, Arts, and Letters 4, Part 2. University of Michigan Press, Ann Arbor, Michigan. xi + 65 pp.
- Blanchard, F. N. 1947. A Key to the Snakes of the United States, Canada, and Lower California. Reprinted [Third Printing]. University of Michigan Press, Ann Arbor, Michigan. xi + 65 pp.
- Beolens, B., M. Watkins, and M. Grayson. 2011. The Eponym Dictionary of Reptiles.

- The Johns Hopkins University Press, Baltimore, Maryland. xiii + 296 pp.
- Bogert, C. M. 1966. Index to species for which hemipenes are depicted in "Crocodilians, Lizards, and Snakes of North America" by E. D. Cope. Annual Report United States National Museum for 1898, pp. 155–1294. Published 1900. Smithsonian Herpetological Information Service 5. [i] + 8 pp.
- Bonn, E. W. and H. W. McCarley. 1953. The amphibians and reptiles of the Lake Texoma area. The Texas Journal of Science 5:465–471.
- Boulenger, G. A. 1893. Catalogue of the Snakes in the British Museum (Natural History). Volume I., Containing the Families Typhlopidae, Glauconiidae, Boidae, Ilysiidae, Uropeltidae, Xenopeltidae, and Colubridae Aglyphae, part. Trustees of the British Museum (Natural History), London, United Kingdom. xiii + 448 pp., Plates 1–28.
- Boulenger, G. A. 1896. Catalogue of the Snakes in the British Museum (Natural History). Volume III., Containing the Colubridae (Opisthoglyphae and Proteroglyphae), Amblycephalidae, and Viperidae. Trustees of the British Museum (Natural History), London, United Kingdom. xiv + 727 pp., Plates 1–25.
- Boundy, J. 1994. County records for Texas amphibians and reptiles. Herpetological Review 25:129.
- Boundy, J. 1995. Maximum lengths of North American snakes. Bulletin of the Chicago Herpetological Society 30:109–122.
- Boundy, J. 1997. Snakes of Louisiana. Louisiana Department of Wildlife and Fisheries, Baton Rouge, Louisiana. 32 pp.
- Boundy, J. and J. L. Carr. 2017. Amphibians & Reptiles of Louisiana. An Identification and Reference Guide. Louisiana State University Press, Baton Rouge, Louisiana. xi + 386 pp.
- Boyd, R. L. 1988. Baker University natural areas. Transactions of the Kansas Academy of Science 91:52–54.
- Boyer, D. A. and A. A. Heinze. 1934. An annotated list of the amphibians and reptiles of Jefferson County, Missouri. Transactions of the Academy of Science of St. Louis 28:185–200, 1 plate.
- Branson, B. A. and E. C. Baker. 1974. An ecological study of the queen snake, *Regina septemvittata* (Say) in Kentucky. Tulane Studies in Zoology and Botany 18:153–171.
- Branson, E. B. 1904. The snakes of Kansas. The Kansas University Science Bulletin 12:353–430.
- Brattstrom, B. H. 1967. A succession of Pliocene and Pleistocene snake faunas from the high plains of the United States. Copeia 1967:188–202.
- Breukelman, J. and R. F. Clarke. 1951. A revised list of Amphibia and reptiles of Chase and Lyon counties, Kansas. Transactions of the Kansas Academy of Science 54:542–545.
- Breukelman, J. and A. Downs. 1936. A list of Amphibia and reptiles of Chase and Lyon counties, Kansas. Transactions of the Kansas Academy of Science 39:267–268.
- Breukelman, J. and H. M. Smith. 1946. Selected records of reptiles and amphibians from Kansas. University of Kansas Publications, Museum of Natural History 1:101–112.
- Briggler, J. T. and T. R. Johnson. 2017. A Guide to Missouri's Snakes. Missouri Department of Conservation, Jefferson City, Missouri. 59 pp.
- Brown, A. E. 1901. A review of the genera and species of American snakes north of Mexico. Proceedings of the Academy of Natural Sciences of Philadelphia 53:10–110.
- Brown, A. E. 1903. Texas reptiles and their faunal relations. Proceedings of the Academy of Natural Sciences of Philadelphia 55:543–558.



- Brown, B. C. 1950. An Annotated Check List of the Reptiles and Amphibians of Texas. Baylor University Press, Waco, Texas. xii + 257 + [2] pp.
- Brown, P. 1967. Herpetological collecting in the deep south. *Herpetology* [Southwestern Herpetologists Society] 1(2):3-11.
- Buhlmann, K. A., and J. W. Gibbons. 1997. Imperiled aquatic reptiles of the southeastern United States: Historical review and current conservation status. Pp. 201-231 *in* Aquatic Fauna in Peril. The Southeastern Perspective (G. W. Benz and D. E. Collins, editors). Southeast Aquatic Research Institute Special Publication 1. Lenz Design & Communications, Decatur, Georgia.
- Burghardt, G. M. 1968. Chemical preference studies on newborn snakes of three Sympatric species of *Natrix*. *Copeia* 1968:732-737.
- Burt, C. E. 1927. An annotated list of the amphibians and reptiles of Riley County, Kansas. Occasional Papers of the Museum of Zoology, University of Michigan 189:1-9.
- Burt, C. E. 1933. Some distributional and ecological records of Kansas reptiles. *Transactions of the Kansas Academy of Science* 36:186-208.
- Burt, C. E. 1935. Further records of the ecology and distribution of amphibians and reptiles in the middle west. *The American Midland Naturalist* 16:311-336.
- Burt, C. E. and M. D. Burt. 1929. A collection of amphibians and reptiles from the Mississippi Valley, with field observations. *American Museum Novitates* 381:1-14.
- Burt, C. E. and W. L. Hoyle. 1934. Additional records of the reptiles of the central prairie region of the United States. *Transactions of the Kansas Academy of Science* 37:193-216.
- Busby, W. H. and G. R. Pisani. 2007. Welda spring field trip. *Journal of Kansas Herpetology* 22:12.
- Busby, W. H., J. T. Collins, and J. R. Parmelee. 1996. The Reptiles and Amphibians of Fort Riley and Vicinity. Kansas Biological Survey, in Cooperation with the U.S. Department of the Army. vi + 72 pp.
- Busby, W. H., J. T. Collins, and G. Suleiman. 2005. The Snakes, Lizards, Turtles and Amphibians of Fort Riley and Vicinity. Second (Revised) Edition. Kansas Biological Survey, in Cooperation with the U.S. Department of the Army. viii + 76 pp.
- Butler, J. A., G. H. Dalrymple, and A. Hinko. 1980. Early spring feeding habits and comments on the physiological ecology of the queen snake, *Regina septemvittata*, in central Ohio. *Herp: Bulletin of the New York Herpetological Society* 16(1):3-9.
- Byboth, A. 2000. 2000 Spring field meet. April 28-30. Texas Herpetological Society Newsletter 61(1):3-7.
- Byrd, W. W., E. L. Hanebrink, and C. Files. 1989. *Regina grahami*. *Herpetological Review* 20:13.
- Cagle, F. R. 1941. A key to the Reptiles and Amphibians of Illinois. Museum of Natural Science, Carbondale, Illinois, Contribution No. 5. iv + 32 pp., Plates 1-3.
- Cagle, F. R. 1942. Herpetological fauna of Jackson and Union counties, Illinois. *The American Midland Naturalist* 28:164-200.
- Cagle, F. R. 1952. A Key to the Amphibians and Reptiles of Louisiana. Tulane Book Store, Tulane University, New Orleans, Louisiana. 42 pp., Plates 1-3.
- Carpenter, C. C. 1958 ("1957"). Additional distribution records for Oklahoma reptiles. *Proceedings of the Oklahoma Academy of Science* 38:71-74.
- Carpenter, C. C. 1959 ("1956"). Reptiles and amphibians of the Oliver Wildlife Preserve. *Proceedings of the Oklahoma*

- Academy of Science 37:33–34.
- Carpenter, C. C. 1981. A comparison of two intensive herpetological surveys in Oklahoma. *Bulletin of the Oklahoma Herpetological Society* 6:26–38.
- Carpenter, C. C. and J. J. Krupa. 1989. *Oklahoma Herpetology. An Annotated Bibliography*. University of Oklahoma Press, Norman, Oklahoma. vii + 258 pp.
- Chaney, A. H. 1982. *Keys to the Vertebrates of Texas*. Caesar Kleberg Wildlife Research Institute, College of Agriculture, Texas A&M University, Kingsville, Texas. v + 99 pp.
- Chaney, A. H. 1990. *Keys to the Vertebrates of Texas (Exclusive of Birds)*. Revised. Privately Published, Kingsville, Texas. iii + 99 pp.
- Chaney, A. H. 1993. *Keys to the Vertebrates of Texas (Exclusive of Birds)*. Revised. Privately Published, Kingsville, Texas. iii + 101 pp.
- Chaney, A. H. 1996. *Keys to the Vertebrates of Texas (Exclusive of Birds)*. Revised. Privately Published, Kingsville, Texas. iii + 102 pp.
- Christiansen, J. L. and R. M. Bailey. 1986. *The Snakes of Iowa*. Iowa Conservation Commission, Des Moines, Iowa. 15 pp.
- Christiansen, J. L. and R. M. Bailey. 1990. *The Snakes of Iowa*. Iowa Department of Natural Resources, Nongame Technical Series 1:1–16.
- Christiansen, J. L. and R. R. Burken. 1978. The Endangered and Uncommon Reptiles and Amphibians of Iowa. *Iowa Science Teachers Journal, Special Issue*. ii + 26 pp.
- Clark, C., D. C. Ashley, and F. E. Durbian. 2003. The occurrence and morphological description of hemogregarines in seven species of snakes from Squaw Creek National Wildlife Refuge. *Transactions of the Missouri Academy of Science* 37:78.
- Clark, R. F. 1949. Snakes of the hill parishes of Louisiana. *Journal of the Tennessee Academy of Science* 24:244–261.
- Clarke, R. F. 1958. An ecological study of reptiles and amphibians in Osage County, Kansas. *The Emporia State Research Studies* 7:1–52.
- Clarke, R. F. 1980. Snakes in Kansas. *The Kansas School Naturalist* 26(3):1–15.
- Clarke, R. F., J. Breukelman and T. Andrews. 1958. An annotated check list of the vertebrates of Lyon County, Kansas. *Transactions of the Kansas Academy of Science* 61:165–194.
- Clay, W. M. 1938. A synopsis of the North American water snakes of the genus *Natrix*. *Copeia* 1938:173–182.
- Cleveland, E. D. 1986. County record for Graham's crawfish snake (*Regina grahami*). *Transactions of the Kansas Academy of Science* 89:9.
- Cliburn, J. W. 1958. Notes on some snakes from Mississippi. *The American Midland Naturalist* 60:196–201.
- Cliburn, J. W. 1959. The distribution of some snakes in Mississippi. *The American Midland Naturalist* 62:218–221.
- Cliburn, J. W. 1970. *A Key to the Amphibians and Reptiles of Mississippi with Guides to Their Study*. Third Revised Edition. State Wildlife Museum, Jackson, Mississippi. 63 pp.
- Cliburn, J. W. and J. E. Woods. 1967. *Natrix septemvittata* in Mississippi. *Journal of the Mississippi Academy of Sciences* 13:131–135.
- Cline, G. R. and S. Anderson. Undated. *Introduction to the snakes of Oklahoma*. Oklahoma Cooperative Extension Service F-9010. 7 pp.
- Coborn, J. 1991. *The Atlas of Snakes of the World*. T. F. H. Publications, Inc., Neptune City, New Jersey. 591 pp.
- Coborn, 1994. *The Mini-Atlas of Snakes of the World*. T. F. H. Publications, Inc., Neptune City, New Jersey. 736 pp.
- Cochran, D. M. 1961. Type specimens of reptiles and amphibians in the United States National Museum. *Bulletin of the*

- United States National Museum 220:1-291.
- Cochran, D. M. and C. J. Goin. 1970. *The New Field Book of Reptiles and Amphibians*. G. P. Putnam's Sons, Inc. New York, New York. xxii + 359 pp.
- Collins, J. T. 1964. A preliminary review of the snakes of Kentucky. *Journal of the Ohio Herpetological Society* 4:69-77.
- Collins, J. T. 1974. *Amphibians and Reptiles in Kansas*. University of Kansas Museum of Natural History Public Education Series 1. ix + 283 pp.
- Collins, J. T. 1976. Kansas snakes..an educational experience. *Kansas Fish and Game* 33(4):16-19.
- Collins, J. T. 1981. New records of fishes, amphibians and reptiles in Kansas for 1981. *Technical Publications of the State Biological Survey of Kansas* 10:7-19.
- Collins, J. T. 1982. *Amphibians and Reptiles in Kansas*. Second Edition. University of Kansas Museum of Natural History Public Education Series 8. xiii + 356 pp. + county map and key.
- Collins, J. T. 1989. New records of amphibians and reptiles in Kansas for 1988. *Kansas Herpetological Society Newsletter* 75:15-18.
- Collins, J. T. 1990a. Maximum size records for Kansas amphibians and reptiles. *Kansas Herpetological Society Newsletter* 81:13-17.
- Collins, J. T. 1990b. *Standard Common and Current Scientific Names for North American Amphibians and Reptiles*. Third Edition. Society for the Study of Amphibians and Reptiles Herpetological Circular 19. iii + 41 pp.
- Collins, J. T. 1991a. Amphibians and reptiles in the upper Mississippi River valley: Systematic and distributional problems. *Journal of the Tennessee Academy of Science* 66:149-152.
- Collins, J. T. 1991b. New records of amphibians and reptiles in Kansas for 1990. *Kansas Herpetological Society Newsletter* 83:7-13.
- Collins, J. T. 1992. Results of the fourth Kansas herp count held during April-May 1992. *Kansas Herpetological Society Newsletter* 89:10-13.
- Collins, J. T. 1993. *Amphibians and Reptiles in Kansas*. Third Edition, Revised. University of Kansas Museum of Natural History Public Education Series 13. xx + 397 pp.
- Collins, J. T. 1995. New records of amphibians and reptiles in Kansas for 1994. *Kansas Herpetological Society Newsletter* 100:24-27.
- Collins, J. T. 1996. *A Guide to Great Snakes of Kansas*. A Pocket Guide to Venomous Snakes and Large Common Harmless Snakes in Kansas. Kansas Nature Guides, Western Resources, Inc. Sponsor. [No place of publication provided]. Lawrence, Kansas. 33 pp. Date and responsible publisher not verified by author.
- Collins, J. T. 1997. *Standard Common and Current Scientific Names for North American Amphibians and Reptiles*. Fourth Edition. Society for the Study of Amphibians and Reptiles Herpetological Circular 25. iii + 40 pp.
- Collins, J. T. 2000. New records of amphibians, turtles and reptiles in Kansas for 1999. *Kansas Herpetological Society Newsletter* 119:7-9.
- Collins, J. T. 2001. *A Guide to Great Snakes of Kansas*. A Pocket Guide to Venomous Snakes and Large Common Harmless Snakes in Kansas. Second (Revised) Edition. Kansas Nature Guides, Western Resources, Inc. Sponsor. [No place of publication provided]. [28 unnumbered pages]. [Date and responsible publisher not verified by author].
- Collins, J. T. 2004. New records of amphibians, turtles, and reptiles in Kansas for 2003. *Journal of Kansas Herpetology* 9:8-11.
- Collins, J. T. 2007. A checklist of the



- amphibians, turtles, and reptiles of the Flint Hills Tallgrass Prairie Preserve in Butler and Greenwood Counties, Kansas. *Journal of Kansas Herpetology* 22:9–10.
- Collins, J. T. and J. Caldwell. 1977. A bibliography of the amphibians and reptiles of Kansas (1854–1976). *Reports of the State Biological Survey of Kansas* 12. 56 pp.
- Collins, J. T. and S. L. Collins. 1993. *Reptiles and Amphibians of Cheyenne Bottoms*. Hearth Publishing, Hillsboro, Kansas. xii + 92 pp.
- Collins, J. T. and S. L. Collins. 2009a. *Regina grahamii* (Graham's crayfish snake). *Journal of Kansas Herpetology* 30:11.
- Collins, J. T. and S. L. Collins. 2009b. *A Pocket Guide to Kansas Snakes*. Second Edition. Friends of the Great Plains Nature Center, Wichita, Kansas. 69 pp.
- Collins, J. T. and T. W. Taggart. 2002. *Standard Common and Current Scientific Names for North American Amphibians, Turtles, Reptiles & Crocodilians*. Fifth Edition. The Center for North American Herpetology, Lawrence, Kansas. iv + 44 pp.
- Collins, J. T. and T. W. Taggart. 2009. *Standard Common and Current Scientific Names for North American Amphibians, Turtles, Reptiles & Crocodilians*. Sixth Edition. The Center for North American Herpetology, Lawrence, Kansas. iv + 44 pp.
- Collins, J. T., J. E. Huheey, J. L. Knight, and H. M. Smith. 1978. *Standard Common and Current Scientific Names for North American Amphibians and Reptiles*. Society for the Study of Amphibians and Reptiles Miscellaneous Publications, Herpetological Circular 7. iii + 36 pp.
- Collins, J. T., R. Conant, J. E. Huheey, J. L. Knight, E. M. Rundquist, and H. M. Smith. 1982. *Standard Common and Current Scientific Names for North American Amphibians and Reptiles*. Second Edition. Society for the Study of Amphibians and Reptiles Herpetological Circular 12. iii + 28 pp.
- Collins, J. T., S. L. Collins, and B. Gress. 1994. *Kansas Wetlands. A Wildlife Treasury*. University Press of Kansas, Lawrence, Kansas. 128 pp.
- Collins, J. T., S. L. Collins, and T. W. Taggart. 2010. *Amphibians, Reptiles, and Turtles in Kansas*. Eagle Mountain Publishing, LC, Eagle Mountain, Utah. xvi + 312 pp.
- Comité sur les Noms Français Standardisés (G. Blouin-Demers, Y. Dubois, C. Fontenot, P. Galois, D. M. Green, J. Lefebvre, D. Lesbarrères, M. J. Mazerolle, M. Ouellet, and D. Pouliot). 2012. *Noms Français Standardisés des Amphibiens et des Reptiles d'Amérique du Nord au Nord du Mexique*. Standard French Names of Amphibians and Reptiles of North America North of Mexico. Society for the Study of Amphibians and Reptiles Herpetological Circular 40. 63 pp.
- Committee on Standard English and Scientific Names (J. Boundy, F. T. Burbrink, J. A. Campbell, B. I. Crother, K. De Queiroz, D. R. Frost, R. Highton, J. B. Iverson, F. Kraus, R. W. McDiarmid, J. R. Mendelson III, P. A. Meylan, T. W. Reeder, M. E. Seidel, S. G. Tilley, and D. B. Wake). 2008. *Scientific and Standard English Names of Amphibians and Reptiles of North America North of Mexico, with Comments Regarding Confidence in Our Understanding*. Sixth Edition. Society for the Study of Amphibians and Reptiles Herpetological Circular 37. 84 pp.
- Committee on Standard English and Scientific Names (J. Boundy, F. T. Burbrink, J. A. Campbell, B. I. Crother, K. De Queiroz, D. R. Frost, D. M. Green, R. Highton, J. B. Iverson, F. Kraus, R. W. McDiarmid, J. R. Mendelson III, P. A. Meylan, R. A. Pyron, T. W. Reeder, M. E. Seidel, S. G. Tilley, and D. B. Wake). 2012. *Scientific and Standard English Names of Amphibians and Reptiles of North America North*

- of Mexico, with Comments Regarding Confidence in Our Understanding. Seventh Edition. Society for the Study of Amphibians and Reptiles Herpetological Circular 39. 92 pp.
- Committee on Standard English and Scientific Names (R. M. Bonett, J. Boundy, F. T. Burbrink, B. I. Crother, K. De Queiroz, D. R. Frost, R. Highton, J. B. Iverson, E. L. Jockusch, F. Kraus, K. L. Krysko, A. D. Leaché, E. M. Lemmon, R. W. McDiarmid, J. R. Mendelson III, P. A. Meylan, T. W. Reeder, S. Ruane, and M. E. Seidel). 2017. Scientific and Standard English Names of Amphibians and Reptiles of North America North of Mexico, with Comments Regarding Confidence in Our Understanding. Eighth Edition. Society for the Study of Amphibians and Reptiles Herpetological Circular 43. 102 pp.
- Conant, R. 1958. A Field Guide to Reptiles and Amphibians of the United States and Canada East of the 100th Meridian. Houghton Mifflin Company, Boston, Massachusetts. xv + 366 pp., Plates 1–40.
- Conant, R. 1960. The queen snake, *Natrix septemvittata*, in the interior highlands of Arkansas and Missouri, with comments upon similar disjunct distributions. *Proceedings of the Academy of Natural Sciences of Philadelphia* 112:25–40.
- Conant, R. 1975. A Field Guide to Reptiles and Amphibians of Eastern and Central North America. Second Edition. Houghton Mifflin Company, Boston, Massachusetts. xviii + 429 pp., Plates 1–48.
- Conant, R. and W. Bridges. 1939. What Snake is that? A Field Guide to the Snakes of the United States East of the Rocky Mountains. D. Appleton-Century Company, New York, New York. viii + 163 pp. + 1 map + Plates A–C, 1–32.
- Conant, R. and W. Bridges. 1942. What Snake is that? A Field Guide to the Snakes of the United States East of the Rocky Mountains. D. Appleton-Century Company, Incorporated, New York, New York. viii + 163 pp. + 1 map + Plates A–C, 1–32.
- Conant, R. and J. T. Collins. 1991. A Field Guide to Reptiles and Amphibians. Eastern and Central North America. Third Edition. Houghton Mifflin Company, Boston, Massachusetts. xviii + 450 pp., Plates 1–48.
- Conant, R. and J. T. Collins. 1998. A Field Guide to reptiles & Amphibians. Eastern and Central North America. Third Edition, Expanded. Houghton Mifflin Company, Boston, Massachusetts. 616 pp.
- Conant, R., F. R. Cagle, C. J. Goin, C. H. Lowe, Jr., W. T. Neill, M. G. Netting, K. P. Schmidt, C. E. Shaw, R. C. Stebbins, and C. M. Bogert. 1956a. Common names for North American Amphibians and Reptiles. *Copeia* 1956:172–185.
- Conant, R., F. R. Cagle, C. J. Goin, C. H. Lowe, Jr., W. T. Neill, M. G. Netting, K. P. Schmidt, C. E. Shaw, R. C. Stebbins, and C. M. Bogert. 1956b. Common names for North American Amphibians and Reptiles (Reprinted from *Copeia*, 1956, No. 3, pp. 172–185), Plus an Index to Common Names. [Publishing authority not specified, but appears to be the American Society of Ichthyologists and Herpetologists. 26 pp.
- Conzelmann, P. 2003a. [Draft] A Survey of the Amphibians and Reptiles of Cane River Creole National Historical Park. Submitted to Cane River Creole National Historical Park, Natchez, Louisiana. 107 pp.
- Conzelmann, P. 2003b. A Survey of the Amphibians and Reptiles of Cane River Creole National Historical Park. Unpublished report submitted to Cane River Creole National Historical Park, Natchez, Louisiana. vii + 114 pp.
- Cook, F. A. 1943. Snakes of Mississippi. *Survey Bulletin*. Mississippi State Game and Fish Commission. Jackson, Mississippi. [2]

- + i-ii + [1] + 73 pp. [Title on cover is "Snakes in Mississippi"].
- Cook, F. A. 1954. Snakes of Mississippi. State Game and Fish Commission, Public Relations Department, Jackson, Mississippi. ii + 40 pp.
- Cook, F. A. 1962. Snakes of Mississippi. Revised. Mississippi Game and Fish Commission, Wildlife Museum, Jackson, Mississippi. ii + 45 pp.
- Cope, E. D. 1875. Check-list of North American Batrachia and Reptilia; with a systematic list of the higher groups, and an essay on geographical distribution. Based on specimens contained in the U. S. National Museum. Bulletin of the United States National Museum 1:[4] + i-ii + 3-104.
- Cope, E. D. 1892. A critical review of the characters and variations of the snakes of North America. Proceedings of the United States National Museum 14:589-694.
- Cope, E. D. 1894. On the Batrachia and Reptilia of the plains at latitude 36° 30'. Proceedings of the Academy of Natural Sciences Philadelphia 45:386-387.
- Cope, E. D. 1895. The classification of the Ophidia. Transactions of the American Philosophical Society, Held at Philadelphia for Promoting Useful Knowledge, New Series, 18:186-219, Plates 14-33.
- Cope, E. D. 1896. The geographical distribution of the Batrachia and Reptilia in North America [continued]. The American Naturalist 30:1003-1026.
- Cope, E.D. 1900. The crocodilians, lizards, and snakes of North America. Annual Report of the Board of Regents of the Smithsonian Institution, Showing the Operations, Expenditures, and Condition of the Institution for the Year Ending June 30, 1898. Report of the U. S. National Museum. Part II:153-1270, Plates 1-36.
- Corkum, K. C. 1966. Sparganosis in some vertebrates of Louisiana and observations on a human infection. The Journal of Parasitology 52:444-448.
- Cox, C. L. E. S. Farrar, and J. D. Hey. 2005. *Regina grahamii* (Graham's Crayfish Snake). Herpetological Review 36:340.
- Cragin, F. W. 1881. A preliminary catalogue of Kansas reptiles and batrachians. Transactions of the Kansas Academy of Science 7:114-123.
- Cragin, F. W. 1885a. Second contribution to the herpetology of Kansas, with observations on the Kansas fauna. Transactions of the Sixteenth and Seventeenth Annual Meetings of the Kansas Academy of Science, (1883-84), with the Report of the Secretary 9:136-140.
- Cragin, F. W. 1885b. Recent additions to the list of Kansas reptiles and batrachians, with further notes on species previously reported. Bulletin of the Washburn College Laboratory of Natural History 1:100-103.
- Cragin, F. W. 1906 (1881). A preliminary catalogue of Kansas reptiles and batrachians. Transactions of the Kansas Academy of Science 7:112-120. [Reprinted].
- Cross, H. 1917. Animal and plant life in Oklahoma. Oklahoma Geological Survey Circular 6: 1-68.
- Crother, B. I., J. Boundy, J. A. Campbell, K. De Queiroz, D. R. Frost, R. Highton, J. B. Iverson, P. A. Meylan, T. W. Reeder, M. E. Seidel, J. W. Sites, Jr., T. W. Taggart, S. G. Tilley, and D. B. Wake. 2001 ("2000"). Scientific and Standard English Names of Amphibians and Reptiles of North America North of Mexico, with Comments Regarding Confidence in Our Understanding. Society for the Study of Amphibians and Reptiles, Herpetological Circular 29. 82 pp.
- Cundall, D. and F. Irish. 2008. The snake skull. Pp. 349-692 in Biology of the Reptilia, Volume 20, Morphology H. The Skull of Lepidosauria (C. Gans, A. S. Gaunt,



- and K. Adler, editors). Contributions to Herpetology 23. Society for the Study of Amphibians and Reptiles, Ithaca, New York.
- Curran, C. H. and C. Kauffeld. 1937. Snakes and Their Ways. Harper and Brothers Publishers, New York, New York. xvii + 285 pp. + Plates 1–62.
- Curtis, L. 1949a. The snakes of Dallas County, Texas. Field & Laboratory 17:5–13.
- Curtis, L. 1949b. A key to the snakes of Dallas County, Texas. Field & Laboratory 17:146–150.
- Curtis, L. and D. Sellers. 1952. Range extension of *Natrix grahami* B.&G. in Texas. Field & Laboratory 20:34.
- Curtis, L. and D. W. Tinkle (Compilers and Editors). 1952. A brief outline of Texas herpetology. Unpublished report, Southern Methodist University, Dallas, Texas. 8 pp + 6 maps.
- Cutting, R. H. and L. R. Irby. 1970. A radioecological study of White Creek, Brazos County, Texas. Texas Academy of Science, Collegiate Academy 24:3–8. [Not seen by author].
- Cys, J. M. 1976. New county records and range extensions of some west Texas reptiles. Herpetological Review 7:126.
- Davenport, J. W. 1943. Field Book of the Snakes of Bexar County, Texas and Vicinity. A Simplified Key and Notes on Their Behavior. Witte Memorial Museum, San Antonio, Texas. 132 pp.
- Davis, N. S. and F. L. Rice. 1883. List of batrachia and reptilia of Illinois. Bulletin of the Chicago Academy of Sciences 1: 25–32.
- Dellinger, S. C. and J. D. Black. 1938. Herpetology of Arkansas, Part One. The Reptiles. Occasional Papers of the University of Arkansas Museum 1:1–47.
- Ditmars, R. L. 1907. The Reptile Book. A Comprehensive, Popularised Work on the Structure and Habits of the Turtles, Tortoises Crocodilians, Lizards, and Snakes which Inhabit the United States and Northern Mexico. Doubleday, Page and Company, New York, New York. xxxii + 472 pp., Plates 1–136.
- Ditmars, R. L. 1910. Reptiles of the World. Tortoises and Turtles, Crocodilians, Lizards and Snakes of the Eastern and Western Hemispheres. The Macmillan Company, New York, New York. Frontispiece, xx + 373 pp., Plates 1–89. [Not verified by author; reissued 1922, reprinted 1927, 1928, 1930].
- Ditmars, R. L. 1912. The feeding habits of serpents. Zoologica. Scientific Contributions of the New York Zoological Society 1:197–238, Figures 75–96.
- Ditmars, R. L. 1933. Reptiles of the World. New Revised Edition. The Crocodilians, Lizards, Snakes, Turtles and Tortoises of the Eastern and Western Hemispheres. The Macmillan Company, New York, New York. Frontispiece, xx + 321 pp, Plates 1–89. [Reprinted 1936, 1937, 1940, 1941, 1942, 1943, 1944, 1946].
- Ditmars, R. L. 1936. The Reptiles of North America. A Review of the Crocodilians, Lizards, Snakes, Turtles and Tortoises Inhabiting the United States and Northern Mexico. Doubleday & Company, Inc., Garden City, New York. xvi + 476 pp. + Plates A, 1–135.
- Ditmars, R. L. 1939. A Field Book of North American Snakes. Doubleday & Company, Inc., Garden City, New York. Frontispiece, xii + 305 pp. + [1 p.] + 1-48 pp (plates).
- Ditmars, R. L. 1946. The Reptiles of North America. A Review of the Crocodilians, Lizards, Snakes, Turtles and Tortoises Inhabiting the United States and Northern Mexico. Doubleday & Company, Inc., Garden City, New York. xvi + 476 pp. + Plates A, 1–135.
- Ditmars, R. L. 1948. A Field Book of North American Snakes. Doubleday & Company, Inc., Garden City, New York.

- Frontispiece, xii + 305 pp., Plates 1–48.
- Ditmars, R. L. 1964 (1959). *Reptiles of the World. The Crocodilians, Lizards, Snakes, Turtles and Tortoises of the Eastern and Western Hemispheres*. New Revised Edition. Eighteenth Printing. The Macmillan Company, New York, New York. Frontispiece, xx + 321 pp., Plates 1–89. [Fourth Printing, 1964].
- Dixon, J. R. 1987. *Amphibians and Reptiles of Texas with Keys, Taxonomic Synopses, Bibliography, and Distribution Maps*. Texas A&M University Press, College Station, Texas. xii + 434 pp.
- Dixon, J. R. 1993. Supplement to the literature for the “Amphibians and Reptiles of Texas 1987. *Smithsonian Herpetological Information Service* 94:1–43.
- Dixon, J. R. 1996. Ten year supplement to Texas herpetological county records published in “Amphibians and Reptiles of Texas, 1987”. *Texas Herpetological Society Special Publication* 2:1–64.
- Dixon, J. R. 2000. *Amphibians and Reptiles of Texas*. Second Edition. With Keys, Taxonomic Synopses, Bibliography, and Distribution Maps. Texas A&M University Press, College Station, Texas. 421 pp.
- Dixon, J. R. 2013. *Amphibians and Reptiles of Texas with Keys, Taxonomic Synopses, Bibliography, and Distribution Maps*. Third Edition Revised and Updated. Texas A&M University Press, College Station, Texas. viii + 447 pp.
- Dixon, J. R. and J. E. Werler. 2005. *Texas Snakes. A Field Guide*. University of Texas Press, Austin, Texas. xviii + 364 pp.
- Dixon, J. R., T. J. Hibbitts, and M. R. J. Forstner. 2007. *Texas Herpetological Literature and County Records 2000 to 2006-07*. Texas Herpetological Society Publications 2007(1):1–58.
- Dodd, C. K., Jr. 1987. Status, conservation, and management. Pp. 478–513 *in* *Snakes: Ecology and Evolutionary Biology* (R. A. Seigel, J. T. Collins, and S. S. Novak, editors). McGraw-Hill Publishing Company, New York, New York.
- Douglas, N. H. 1980. A list of the amphibians and reptiles in The Museum of Zoology, Northeast Louisiana University. *Contributions of the Museum of Zoology, Northeast Louisiana University* 1:1–46.
- Dowling, H. G. 1956. Geographic relations of Ozarkian amphibians and reptiles. *The Southwestern Naturalist* 1:174–189.
- Dowling, H. G. 1957. A review of the amphibians and reptiles of Arkansas. *Occasional Papers, University of Arkansas Museum* 3:1–51, Map 1.
- Driver, E. C. 1942. *Name that Animal. A Guide to the Identification of the Common Land and Fresh-Water Animals of the United States, with Special Reference to the Area East of the Rockies*. The Kraushar Press, Northampton, Massachusetts. 527 pp.
- Dundee, H. A. and D. A. Rossman. 1989. *The Amphibians and Reptiles of Louisiana*. Louisiana State University Press, Baton Rouge, Louisiana. xi + 300 pp.
- Dunham, A. E., D. B. Miles, and D. N. Reznick. 1988. Life history patterns in squamate reptiles. Pp. 441–522 *in* *Biology of the Reptilia Volume 16, Ecology B. Defense and Life History* (C. Gans and R. B. Huey, editors). Alan R. Liss, Inc., New York, New York.
- Dunham, A. E., D. B. Miles, and D. N. Reznick. 1994. Life history patterns in squamate reptiles. Pp. 441–522 *in* *Biology of the Reptilia Volume 16, Ecology B. Defense and Life History, Second Printing* (C. Gans and R. B. Huey, editors). Branta Books, Ann Arbor, Michigan.
- Dunn, E. R. 1928. A tentative key and arrangement of the American genera of Colubridae. *Bulletin of the Antivenin Institute of America* 2:18–24.
- Dunn, E. R. 1973 (1928). A tentative key and arrangement of the American genera of Colubridae. Reprinted. Society for

- the Study of Amphibians and Reptiles, Miscellaneous Publication, Facsimile Reprints in Herpetology. [Originally printed, and reprinted as facsimile, as Bulletin of the Antivenin Institute of America 2:18–24.].
- Dwyer, C. M. and H. Kaiser. 1997. Relationship between skull form and prey selection in the thamnophiine snake genera *Nerodia* and *Regina*. Journal of Herpetology 31:463–475.
- Dyrkacz, S. 1974. Rare and/or endangered species of Illinois: Reptiles and amphibians. Bulletin of the Chicago Herpetological Society 9:15–16.
- Eberle, W. G. 1972. Comparative chromosomal morphology of the New World Natricine snake genera *Natrix* and *Regina*. Herpetologica 28:98–105.
- Eddy, S. and A. C. Hodson. 1950. Taxonomic Keys to the Common Animals of the North Central States Exclusive of the Parasitic Worms, Insects and Birds. Revised Edition. Burgess Publishing Company, Minneapolis, Minnesota. iii + 123 pp.
- Eddy, S. and A. C. Hodson. 1955. Taxonomic Keys to the Common Animals of the North Central States Exclusive of the Parasitic Worms, Insects and Birds. Second Edition. Burgess Publishing Company, Minneapolis, Minnesota. v + 141 pp. [Multiple printings, including 1958].
- Eddy, S. and A. C. Hodson. 1961. Taxonomic Keys to the Common Animals of the North Central States Exclusive of the Parasitic Worms, Insects and Birds. Third Edition. Burgess Publishing Company, Minneapolis, Minnesota. v + 162 pp. [Multiple printings including 1962, 1964, 1965].
- Eddy, S., A. C. Hodson, J. C. Underhill, W. D. Schmid, and D. E. Gilbertson. 1982. Taxonomic Keys to the Common Animals of the North Central States Exclusive of the Parasitic Worms, Insects and Birds. Fourth Edition. Burgess Publishing Company, Minneapolis, Minnesota. vi + 205 pp.
- Edgren, R. A., Jr. and W. T. Stille. 1948. Checklist of Chicago area amphibians and reptiles. Natural History Miscellanea 26:1–7.
- Edmond, B. S. 1993. *Regina grahamii*. Herpetological Review 24:68.
- Engbretson, G. 1974. Amphibians and reptiles of Oklahoma. Pp. 103–118 in Field Guide to Oklahoma. (P. G. Risser, editor). Oklahoma Biological Survey, Norman, Oklahoma.
- Ernst, C. H. and R. W. Barbour. 1989a. Snakes of Eastern North America. George Mason University Press, Fairfax, Virginia. [8] + 282 pp., 64 Plates.
- Ernst, C. H. and R. W. Barbour. 1989b. Snakes of Eastern North America (Corrected Second Printing). George Mason University Press, Fairfax, Virginia. [8] + 282 pp., 64 Plates.
- Ernst, C. H. and E. M. Ernst. 2003. Snakes of the United States and Canada. Smithsonian Books, Smithsonian Institution, Washington, D.C. xi + 668 pp.
- Ernst, C. H., and E. M. Ernst. 2006. Synopsis of Helminths Endoparasitic in Snakes of the United States and Canada. Society for the Study of Amphibians and Reptiles Herpetological Circular 34. 86 pp.
- Ernst, C. H., J. W. Gibbons, and M. E. Dorcas. 2002. *Regina*. Catalogue of American Amphibians and Reptiles 756:756.1–756.4.
- Figuerola, A., A. D. McKelvy, L. L. Grismer, C. D. Bell, and S. P. Lailvaux. 2016. A species-level phylogeny of extant snakes with description of a new colubrid subfamily and genus. PLoS ONE 11(9):e0161070.
- Fitch, H. S. 1949. Road counts of snakes in western Louisiana. Herpetologica 5:87–90.
- Fitch, H. S. 1970. Reproductive cycles in

- lizards and snakes. University of Kansas Museum of Natural History Miscellaneous Publication 52:1–247.
- Fitch, H. S. 1981. Sexual size differences in reptiles. University of Kansas Museum of Natural History Miscellaneous Publication 70:1–2.
- Fitch, H. S. 1985. Variation in clutch and litter size in New World reptiles. University of Kansas Museum of Natural History Miscellaneous Publication 76:1–76.
- Fitch, H. S. 1993. Relative abundance of snakes in Kansas. *Transactions of the Kansas Academy of Science* 96:213–224.
- Fleet, R. R. and F. W. Plapp, Jr. 1978. DDT residues in snakes decline since DDT ban. *Bulletin of Environmental Contamination and Toxicology* 19:383–388.
- Fleet, R. R., D. R. Clark, Jr., and F. W. Plapp, Jr. 1972. Residues of DDT and dieldrin in snakes from two Texas agro-systems. *BioScience* 22:664–665.
- Fogell, D. D. 2010. *A Field Guide to the Amphibians and Reptiles of Nebraska*. Conservation and Survey Division, School of Natural Resources, Institute of Agriculture and Natural Resources, University of Nebraska, Lincoln, Nebraska. vi + 158 pp.
- Fontenot, L. W. and W. F. Font. 1990. Host specificity of the trematode parasites of sympatric aquatic snakes for southeastern Louisiana. *Proceedings of the Louisiana Academy of Sciences* 53:57.
- Force, E. R. 1930. The amphibians and reptiles of Tulsa County, Oklahoma, and vicinity. *Copeia* 1930:25–39.
- Ford, K. M., III. 1992. *Herpetofauna of the Albert Ahrens Local Fauna (Pleistocene: Irvingtonian), Nebraska*. M.S. thesis, Michigan State University, East Lansing, Michigan. viii + 44 pp.
- Fotolulu. 2018. *Alle Reptilien der welt. Die komplette Checkliste aller Arten und Unterarten. Alle Arten und Unterarten erstmals mit deutschen Namen*. Verlag BoD – Books on Demand, Norderstedt, Germany. 699 pp.
- Frank, N., and E. Ramus. 1995. *A Complete Guide to Scientific and Common Names of Reptiles and Amphibians of the World*. N G Publishing, Inc., Pottsville, Pennsylvania. 377 pp.
- Gandy, B. E. 1966. *A Preliminary Checklist of the Vertebrates of Mississippi*. State Wildlife Museum, Jackson, Mississippi. v + 34 pp.
- Garman, H. 1889. A preliminary report on the animals of the Mississippi bottoms near Quincy, Illinois, in August, 1888. Part I. *Bulletin of the Illinois State Laboratory of Natural History* 3:123–184.
- Garman, H. 1892. A synopsis of the reptiles and amphibians of Illinois. *Bulletin of the Illinois State Laboratory of Natural History* 3:215–388, Plates 9–15.
- Garman, S. 1884a (“1883”). The reptiles and batrachians of North America. *Kentucky Geological Survey Memoirs* 2(9):xxxi + 185 pp., Plates 1–9 + one un-numbered plate. [Publication date not verified by author].
- Garman, S. 1884b (“1883”). The reptiles and batrachians of North America. *Memoirs of the Museum of Comparative Zoology at Harvard College* 8(3):xxxi + 185 pp., Plates 1–9 + one un-numbered plate.
- Garman, S. 1884c. The North American reptiles and batrachians. A list of the species occurring north of the Isthmus of Tehuantepec, with references. *Bulletin of the Essex Institute* 16:3–46.
- Garrigues, N. W. 1962. Placement of internal organs in snakes in relation to ventral scalation. *Transactions of the Kansas Academy of Science* 65:297–300.
- Gehlbach, F. R. 1965. Amphibians and reptiles from the Pliocene and Pleistocene of North America: A chronological summary and selected bibliography. *The Texas Journal of Science* 17:56–70.
- George, D. W. and H. C. Dessauer. 1970.



- Immunological correspondence of transferrins and the relationships of colubrid snakes. *Comparative Biochemistry and Physiology* 33:617–627.
- Geske, J. 1998. Iowa reptiles and amphibians. Iowa Association of Naturalists. Guthrie Center, Iowa. 24 pp.
- Giazzon, M. D. 2002. The amphibians and reptiles of Logan County, Illinois. *Transactions of the Illinois State Academy of Science* 95:215–227.
- Gibbons, W. 2017. Snakes of the Eastern United States. The University of Georgia Press, Athens, Georgia. 416 pp.
- Gibbons, J. W. and M. E. Dorcas. 2004. North American Watersnakes. A Natural History. University of Oklahoma Press, Norman, Oklahoma. xxvi + 438 pp. + 16 pp. of color photographs.
- Gibbons, W. and M. Dorcas. 2005. Snakes of the Southeast. The University of Georgia Press, Athens, Georgia. 253 pp.
- Gloyd, H. K. 1928. The amphibians and reptiles of Franklin County, Kansas. *Transactions of the Kansas Academy of Science* 31:115–141.
- Gloyd, H. K. 1932. The herpetological fauna of the Pigeon Lake region, Miami County, Kansas. *Papers of the Michigan Academy of Sciences, Arts and Letters* 15:389–409, Plates 30–32.
- Gloyd, H. K. 1944. Texas Snakes. *The Texas Geographic Magazine* 8(2):1–18.
- Godley, J. S., R. W. McDiarmid, and N. N. Rojas. 1984. Estimating prey size and number in crayfish-eating snakes, genus *Regina*. *Herpetologica* 40:82–88.
- Gold, D. ["Dave Odd" on cover]. 2005. *The Official Field Guide of Snakes of Chicagoland. A Basic Guide to Identify and Learn More About the Snakes that Share This Corner of the State with Us*. Privately Published, Evanston, Illinois. 36 pp.
- Goodman, J. D. 1948. A report on the reptiles collected by J. M. Shaffer from the Keokuk area 1863–1895. *Proceedings of the Iowa Academy of Sciences* 55:365–366.
- Goodman, J. D. 1951. Some aspects of the role of parasitology in herpetology. *Herpetologica* 7:65–67.
- Graeter, G. J., K. A. Buhlmann, L. R. Wilkinson, and J. W. Gibbons (editors). 2013. *Inventory and Monitoring: Recommended Techniques for Reptiles and Amphibians. With Application to the United States and Canada. Partners in Amphibian and Reptile Conservation Technical Publication IM-1*. iii + 321 pp.
- Grant, C. 1937. Herpetological notes from central Kansas. *The American Midland Naturalist* 18:370–372.
- Guidry, E. V. 1953. Herpetological notes from southeastern Texas. *Herpetologica* 9:49–56.
- Gulf Coast Network. 2010. *A Summary of Biological Inventory Data Collected at Big Thicket National Preserve. Vertebrate and Vascular Plant Inventories*. U.S. Department of the Interior, National Park Service, Natural Resource Report NPS/GULN/NRDS–2010/390. iv + 67 pp.
- Gunter, P. 1971a. *The Big Thicket. A Challenge for Conservation*. The Jenkins Book Publishing Company, Inc., Austin, Texas and New York, New York. xvii + 172 pp. [Hardback edition. Front of dust jacket clearly identifies author as A. Y. Gunter; inside flap of back cover of dust jacket says "Dr. A. Y. "Pete" Gunter..."; title page identifies author as "Dr. Pete Gunter."].
- Gunter, P. 1971b. *The Big Thicket. A Challenge for Conservation*. The Jenkins Book Publishing Company, Inc., Austin, Texas and New York, New York. xvii + 172 pp. [Paperback edition].
- Günther, A. 1858. *Catalogue of Colubrine Snakes in the Collection of the British Museum*. Trustees of the British Museum, London, United Kingdom. xvi + 281 pp. [Reprinted in 1971 by Alden & Mowbray

- Ltd., Oxford, United Kingdom. xvi + 281 pp.].
- Guthrie, J. E. 1926. The snakes of Iowa. Agricultural Experiment Station, Iowa State College of Agriculture and Mechanic Arts Bulletin 239:147–192.
- Guthrie, J. E. 1930a. Color dimorphism in Graham's watersnake, *Natrix grahamii* (Baird and Girard). Copeia 1930:39.
- Guthrie, J. E. 1930b. A color-mutation in Graham's watersnake. The Journal of Heredity 21:237–240.
- Hall, H. H. and H. M. Smith. 1947. Selected records of reptiles and amphibians from southeastern Kansas. Transactions of the Kansas Academy of Science 49:447–454.
- Hall, R. J. 1969. Ecological observations on Graham's watersnake (*Regina grahami* Baird and Girard). The American Midland Naturalist 81:156–163.
- Hambrick, P. S. 1975. New county records and range extensions for Texas amphibians and reptiles. Herpetological Review 6:79–80.
- Hambrick, P. S. 1976. Additions to the Texas herpetofauna, with notes on peripheral range extensions and new records of Texas amphibians and reptiles. The Texas Journal of Science 27:291–299.
- Hampton, N. 1994. Amphibians and reptiles. Pp. 113–130 in Birds and Other Wildlife of South Central Texas. A Handbook (E. A. Kutac, and S. C. Caran, editors). The University of Texas Press, Austin, Texas.
- Harding, J. H. 1997. Amphibians and Reptiles of the Great Lakes Region. The University of Michigan Press, Ann Arbor, Michigan. xvi + 378 pp.
- Harding, J. H. and D. A. Mifsud. 2017. Amphibians and Reptiles of the Great Lakes Region. Revised Edition. The University of Michigan Press, Ann Arbor, Michigan. xvi + 392 pp.
- Hardy, L. M. 1979. Checklist of the amphibians and reptiles of Caddo and Bossier parishes, Louisiana. Bulletin of the Museum of Life Sciences, Louisiana State University in Shreveport 2:1–11.
- Hardy, L. M. 1995. Checklist of the amphibians and reptiles of Caddo Lake watershed in Texas and Louisiana. Bulletin of the Museum of Life Sciences, Louisiana State University in Shreveport 10:1–31.
- Harrison, H. H. 1971. The World of the Snake. J. B. Lippincott Company, New York, New York. 160 pp.
- Hay, O. P. 1891. On the breeding habits, eggs, and young of certain snakes. Proceedings of the Indiana Academy of Science 1891 [= volume 1]:106–120.
- Hay, O. P. 1892. The Batrachians and reptiles of the state of Indiana. Pp. 409–602, Plates 1–3 in Indiana Department of Geology and Natural Resources, Seventeenth Annual Report. Indianapolis, Indiana.
- Hibbitts, T. J. and C. S. Adams. 2015. *Regina grahamae* (Graham's Crayfish Snake). Herpetological Review 46:221.
- Hibbitts, T. D. and M. P. Hibbitts. 1994. New county records of amphibians and reptiles from northeastern Texas. Herpetological Review 25:35–36.
- Hibbitts, T., T. Hibbitts, H. L. Prestridge, and L. A. Fitzgerald. n.d. Snakes of the Brazos Valley. 2nd Printing. Texas Cooperative Wildlife Collection Flash Guide No. 1.[2 pp.].
- Himes, J. G. 1999. New Parish records for amphibians and reptiles from Louisiana. Herpetological Review 30:175–176.
- Hoge, A. R. and A. Garcia. 1949. Notas erpetológicas 4. Sobre caracteres sexuais secundários nas serpentes. Memórias do Instituto de Butantan 21:55–66.
- Holman, J. A. 1966. Herpetological records from northcentral Illinois. Transactions of the Illinois State Academy of Science 59:298–300.
- Holman, J. A. 1972. Herpetofauna of the Kanopolis local fauna (Pleistocene: Yarmouth) of Kansas. The Michigan Academician 5:87–98.

- Holman, J. A. 1973. Reptiles of the Eglehoff local fauna (Upper Miocene) of Nebraska. *Contributions from the Museum of Paleontology, The University of Michigan* 24:125–134.
- Holman, J. A. 1981. A review of North American Pleistocene snakes. *Publications of the Museum, Michigan State University, Paleontological Series* 1:261–306.
- Holman, J. A. 1984. Herpetofaunas of the Duck Creek and Williams local faunas (Pleistocene; Illinoian) of Kansas. Pp. 20–38 *in* *Contributions in Quaternary Vertebrate Paleontology: A Volume in Memorial to John E. Guilday* (H. H. Genoways, and M. R. Dawson, editors). Carnegie Museum of Natural History Special Publication 8.
- Holman, J. A. 1986. Butler Spring herpetofauna of Kansas (Pleistocene; Illinoian) and its climatic significance. *Journal of Herpetology* 20:568–570.
- Holman, J. A. 1987a. Climatic significance of a late Illinoian herpetofauna from southwestern Kansas. *Contributions from the Museum of Paleontology, The University of Michigan* 27:129–141.
- Holman, J. A. 1987b. Snakes from the Robert local fauna (late Wisconsinan) of Meade County, Kansas. *Contributions from the Museum of Paleontology, The University of Michigan* 27:143–150.
- Holman, J. A. 1995. *Pleistocene Amphibians and Reptiles in North America*. Oxford University Press, New York, New York. 243 pp.
- Holman, J. A. 2000. *Fossil Snakes of North America: Origin, Evolution, Distribution, Paleoecology*. Indiana University Press, Bloomington, Indiana. xi + 357 pp., Plates 1–48.
- Howell, C. H. 2015. *Pocket Guide to the Reptiles & Amphibians of North America*. National Geographic Society, Washington, D.C. 174 pp.
- Hubbs, B. 2013. *Harmless Snakes of the West*. Tricolor Books, Tempe, Arizona. 130 pp.
- Hudson, G. E. 1942. The Amphibians and Reptiles of Nebraska. *Nebraska Conservation Bulletin* 24:1–146.
- Hudson, G. E. and D. Davis. 1940. Facts concerning the snakes of Nebraska. [4 pp.]. [Publisher not indicated; Prepared for distribution at the 1941 State Fair Reptile Exhibit, sponsored by the Game, Forestation and Parks Commission of Nebraska].
- Hudson, G. E. and D. Davis. 1941. Facts concerning the snakes of Nebraska. [4 pp.]. [Publisher not indicated; Prepared for distribution at the 1941 State Fair Reptile Exhibit, sponsored by the Game, Forestation and Parks Commission of Nebraska].
- Hughes, R. C., J. H. Baker, and G. B. Dawson. 1941. The tapeworms of reptiles, Part II. Host catalogue. *The Wasmann Collector* 4:97–104.
- Hurter, J. 1893. Catalogue of reptiles and batrachians found in the vicinity of St. Louis, MO. *Transactions of the Academy of Science of St Louis* 6:251–261.
- Hurter, J. 1911. Herpetology of Missouri. *Transactions of the Academy of Science of St. Louis* 20:59–274, Plates 18–24.
- Hurter, J., and J. K. Strecker, Jr. 1909. The amphibians and reptiles of Arkansas. *Transactions of the Academy of Science of St. Louis* 18:11–27.
- Hutchins, M., J. B. Murphy, and N. Schlager (editors). 2003. *Grzimek's Animal Life Encyclopedia*. Second Edition. Volume 7, Reptiles. The Gale Group, Inc., Farmington Hills, Michigan. xvi + 593 pp.
- Irwin, K. J. 2004. *Arkansas Snake Guide*. Arkansas Game & Fish Commission, Little Rock, Arkansas. 50 pp.
- Jackson, J. F., W. Ingram III, and H. W. Campbell. 1976. The dorsal pigmentation pattern of snakes as an antipredator strategy: A multivariate approach. *The*

- American Naturalist 110:1029–1053.
- Jackson, J. J. 1983. Snakes of the Southeastern United States. Cooperative Extension Service, The University of Georgia College of Agriculture. 112 pp.
- Jan, G. 1863. Elenco Sistematico degli Ofidi Descritti e Disegnati per l'Iconografia Generale. Tipografia di A. Lombardi, Milano. 143 pp.
- Jan, G. and F. Sordelli. 1868. Iconographie Générale des Ophidiens. Tome Second, Livraison 27, Plates 1-6. Chez F. Sordelli, Milan, and J. B. Baillièrre et Fils, Paris.
- Jan, G. and F. Sordelli. 1961 (1868). Iconographie Générale des Ophidiens. Tome Second, Livraison 27, Plates 1–6. Reprinted. J. Cramer, Weinheim, Germany, and Wheldon & Wesley, Ltd. And Hafner Publishing Co., New York, New York.
- Johnsgard, P. A. 2001. The Nature of Nebraska. Ecology and Biodiversity. University of Nebraska Press, Lincoln, Nebraska. xxiii + 402 pp.
- Johnsgard, P. A. 2003. Great Wildlife of the Great Plains. University Press of Kansas, Lawrence, Kansas. 309 pp.
- Johnson, T. R. 1980. Snakes of Missouri. Missouri Conservationist 41(4):11–22.
- Johnson, T. R. 1987. The Amphibians and Reptiles of Missouri. Missouri Department of Conservation, Jefferson City, Missouri. xi + 368 pp. + map.
- Johnson, T. R. 2000. The Amphibians and Reptiles of Missouri. Revised and Expanded Second Edition. Missouri Department of Conservation, Jefferson City, Missouri. [10] + 400 pp.
- Johnson, T.R. and R.N. Bader. 1974. Annotated Checklist of Missouri Amphibians and Reptiles. St. Louis Herpetological Society Special Issue 1:1–16.
- Jones, L. L. C., K. J. Halama, and R. E. Lovich (editors). 2016. Habitat Management Guidelines for Amphibians and Reptiles of the Southwestern United States. Partners in Amphibian and Reptile Conservation Technical Publication HMG-5. x + 193 pp.
- Jones, M. C., S. Reilly, M. R. J. Forstner, and J. R. Dixon. 2005. *Regina grahamii* (Graham's Crayfish Snake). Herpetological Review 36:470.
- Karges, J. P. 1982. Texas amphibians and reptiles: Some new distributional records, part IV. Herpetological Review 13:27.
- Karns, D., R. E. Ashton, Jr., and T. Swearingen. 1974. Illustrated Guide to Amphibians and Reptiles in Kansas. An Identification Manual. University of Kansas Museum of Natural History Public Education Series 2. Un-paginated [28 pp.].
- Keiser, E. D., Jr. 1958. Checklist of the herpetofauna of Illinois. Bulletin of the Southern Illinois Herpetological Society, Miscellaneous Publication 2:1–7.
- Keiser, E. D., Jr. and L. D. Wilson. 1969. Checklist and Key to the Herpetofauna of Louisiana. Lafayette Natural History Museum Technical Bulletin 1:1–51.
- Keiser, E. D., Jr. and L. D. Wilson. 1979. Checklist and Key to the Amphibians and Reptiles of Louisiana. Second Edition. Lafayette Natural History Museum Bulletin 1:1–49.
- Kennedy, J. P. 1964. Natural history notes on some snakes of eastern Texas. The Texas Journal of Science 16:210–215.
- Kennicott, R. 1855. Catalogue of animals observed in Cook County, Illinois. Volume 1. Transactions of the Illinois State Agricultural Society 1853–1854:577–595.
- Killebrew, F. C. and M. Rhea. 1980. *Regina grahami* (Graham's Crayfish Snake). Herpetological Review 11:39.
- Kilpatrick, C. W. and E. G. Zimmerman. 1973. Karyology of North American natricine snakes (Family Colubridae) of the genera *Natrix* and *Regina*. Canadian Journal of Genetics and Cytology 15:355–361.
- King, R. B. 2009. Population and conservation genetics. Pp. 78–122 in Snakes. Ecology



- and Conservation (S. J. Mullin and R. A. Seigel, editors). Comstock Publishing Associates, Ithaca, New York.
- Kingsbury, B. and J. Gibson (editors). 2002. Habitat Management Guidelines for Amphibians and Reptiles of the Midwest. Partners in Amphibian and Reptile Conservation (PARC). 57 pp.
- Kingsbury, B. and J. Gibson (editors). 2012. Habitat Management Guidelines for Amphibians and Reptiles of the Midwestern United States. 2nd Edition. Partners in Amphibian and Reptile Conservation Technical Publication HMG-1. vi + 140 pp.
- Klein, T. A. Jr. 1949. A record litter of *Thamnophis sirtalis proximus*. *Herpetologica* 5:17.
- Klimstra, W. D. 1950. Notes on some amphibians and reptiles from Davis County, Iowa. *Iowa State College Journal of Science* 24:429–431.
- Kofron, C. P. 1978. Foods and habitats of aquatic snakes (Reptilia: Serpentes) in a Louisiana swamp. *Journal of Herpetology* 12:543–554.
- Kofron, C. P. 1979. Reproduction of aquatic snakes in south-central Louisiana. *Herpetologica* 35:44–50.
- Kofron, C. P. and J. R. Dixon. 1980. Observations on aquatic colubrid snakes in Texas. *The Southwestern Naturalist* 25:107–109.
- Ksas, R. 2015. L'Étymologie des Noms Latins des Serpents. Venom World Editions, Copymedia, [Saint-Thibault-des-Vignes, France]. 290 pp.
- Landwer, A. J., and T. E. Lee, Jr. 2001. *Regina grahamii* (Graham's Crayfish Snake). *Herpetological Review* 32:124.
- Lardie, R. L. 1977. The Herpetology of Garfield County, Oklahoma. Oklahoma Herpetological Society Special Publication 1. v + 26 pp.
- Lardie, R. L. 1979. Herpetological records from northwestern Oklahoma. *Herpetological Review* 10:24–25.
- Lardie, R. L. 1982. A preliminary checklist of amphibians and reptiles of northwestern Oklahoma (excluding the Oklahoma panhandle). *Bulletin of the Oklahoma Herpetological Society* 7:36–79.
- Lardie, R. L. and J. H. Black. 1981. The amphibians and reptiles of the Cimarron Gypsum Hills region in northwestern Oklahoma. *The Mountain Boomer. Bulletin of the Oklahoma Herpetological Society* 5:76–125.
- Laughlin, H. E. 1959. Stomach contents of some aquatic snakes from Lake McAlester, Pittsburgh County, Oklahoma. *The Texas Journal of Science* 11:83–85.
- Lawson, R. 1982. Biochemical systematics of the Thamnophiini: The genera *Nerodia* and *Regina*. P. 84 in Silver Anniversary Meeting Society for the Study of Amphibians and Reptiles and 30th Annual Meeting The Herpetologists' League Raleigh, North Carolina August 1–6, 1982 Hosted by the North Carolina State Museum of Natural History at Meredith College.
- Lawson, R. 1985. Molecular Studies of Thamnophine Snakes. Ph.D Dissertation, Louisiana State University, Baton Rouge. vii + 183 pp.
- Lawson, R. 1987. Molecular studies of Thamnophiine snakes: 1. The phylogeny of the genus *Nerodia*. *Journal of Herpetology* 21:140–157.
- LeClere, J. 1998. Checklist of the Herpetofauna of Iowa. Minnesota Herpetological Society Occasional Paper 5. 23 pp.
- LeClere, J. B. 2013. A Field Guide to the Amphibians and Reptiles of Iowa. ECO Herpetological Publishing and Distribution, Rodeo, New Mexico. viii + 350 pp.
- Leuth, F. X. 1949. Manual of Illinois Snakes. Including a Description of Their Most Important Characteristics. Revised edition. Illinois Department of

- Conservation, Springfield, Illinois. 35 pp.
- Leuth, F. X. 1956. Manual of Illinois Snakes. Including a Description of Their Most Important Characteristics. Revised Edition. Illinois Department of Conservation, Springfield, Illinois. 35 pp.
- Leviton, A. E. 1972. Reptiles and Amphibians of North America. Doubleday & Company, Inc., New York, New York. 251 pp.
- Lillywhite, H. B. 1987. Temperature, energetics, and physiological ecology. Pp. 422–477 *in* Snakes: Ecology and Evolutionary Biology (R. A. Seigel, J. T. Collins, and S. S. Novak, editors). McGraw-Hill Publishing Company, New York, New York.
- Liner, E. A. 1954. The herpetofauna of Lafayette, Terrebonne and Vermilion Parishes, Louisiana. The Proceedings of the Louisiana Academy of Sciences 17:65–85.
- Liner, E. A. 1982. *Regina grahami* (Graham's Crayfish Snake). Coloration. Herpetological Review 13:48.
- Lohofener, R. and R. Altig. 1983. Mississippi Herpetology. Mississippi State University Research Center Bulletin 1. vi + 66 pp.
- Loomis, R. B. 1948. Notes on the herpetology of Adams County, Iowa. Herpetologica 4:121–122.
- Loomis, R. B. 1956. The chigger mites of Kansas (Acarina, Trombiculidae). University of Kansas Science Bulletin 37, Part II (19):1195–1443.
- Lueth, F. X. 1941. Manual of Illinois Snakes. Including a Description of Their Most Important Characteristics. Department of Conservation, Springfield, Illinois. 48 pp.
- Lynch, J. D. 1985. Annotated checklist of the amphibians and reptiles of Nebraska. Transactions of the Nebraska Academy of Science 13:33–57.
- MacDonald, C. A. and D. R. Brooks. 1989. Revision and phylogenetic analysis of the North American species of *Telorchis* Luehe, 1899 (Cercomeria: Trematoda: Digenea: Telorchiidae). Canadian Journal of Zoology 67:2301–2320.
- Malnate, E. V. 1972. Observations on the vertebral hypapophyses and associated musculature in some snakes, with special reference to the Colubridae. Zoologische Mededelingen 47:225–239.
- Mao, S.-H., and H. C. Dessauer. 1971. Selectively neutral mutations, transferrins and the evolution of natricine snakes. Comparative Biochemistry and Physiology 40A:669–680.
- Marr, J. C. 1944. Notes on amphibians and reptiles from the central United States. The American Midland Naturalist 32:478–490.
- Mattison, C. 1995. The Encyclopedia of Snakes. Facts on File, Inc., New York, New York. 256 pp.
- Mattison, C. 1999. Die Schlangen Enzyklopädie. Alle Arten der Welt. BLV Verlagsgesellschaft mbH, München, Deutschland. 192 pp.
- Mauger, D. and T. G. Anton. 2015. Current distribution and status of amphibians and reptiles in Will County, Illinois. Illinois Natural History Survey Bulletin 40(1). iv + 1–32.
- Maxwell, T. C. 2013. Wildlife of the Concho Valley. Texas A&M University Press, College Station, Texas. xiv + 270 pp. + 7 plates.
- McAllister, C. T. and D. K. Bibb. 1991. *Regina grahamii* (Graham's Crayfish Snake). Herpetological Review 22:68.
- McAllister, C. T. and R. Ward. 1986. New distributional records of Texas herpetofauna. The Texas Journal of Science 38:65–69.
- McCord, J. S, Jr. and M. E. Dorcas. 1989. New Texas herpetological distribution records from the University of Texas at Arlington Collection of Vertebrates. Herpetological Review 20:94, 96.

- McCoy, C. J., Jr. 1960 ("1959"). New county records and range extensions for Oklahoma reptiles. *Proceedings of the Oklahoma Academy of Science* 40:41–43.
- McDiarmid, R. W., J. A. Campbell, and T. A. Touré. 1999. *Snake Species of the World. A Taxonomic and Geographic Reference. Volume 1. The Herpetologists' League*, Washington, D.C. 511 pp.
- McDiarmid, R. W., M. S. Foster, C. Guyer, J. W. Gibbons, and N. Chernoff (editors). 2012. *Reptile Biodiversity. Standard Methods for Inventory and Monitoring*. University of California Press, Berkeley, California. xii + 412 pp.
- McGuinty, J. 1980. Checklist to the mammals, reptiles, amphibians and fishes of the Cook County Forest Preserve District. Forest Preserve District of Cook County, River Forest Illinois. 8 pp. [Date not verified by author].
- McLain, R. B. 1899. Notes on a collection of reptiles made by Mr. C. J. Pierson at Fort Smith, Arkansas, with remarks on other eastern reptiles. *Contributions to North American Herpetology*. Wheeling, West Virginia. 5 pp.
- McLain, R. B. 1971 (1889). Notes on a collection of reptiles made by Mr. C. J. Pierson at Fort Smith, Arkansas, with remarks on other eastern reptiles. Pp. 7–11 in Robert Baird McLain *Contributions to North American Herpetology. Society for the Study of Amphibians and Reptiles, Miscellaneous Publications, Facsimile Reprints in Herpetology*. [Originally published as *Contributions to North American Herpetology*. Wheeling, West Virginia. 5 pp.].
- McVay, J. D. and B. Carstens. 2013. Testing monophyly without well-supported gene trees: Evidence from multi-locus nuclear data conflicts with existing taxonomy in the snake tribe *Thamnophiini*. *Molecular Phylogenetics and Evolution* 68:425–431.
- Merczak, N. 1966. Snakes of Illinois. *Bulletin of the Chicago Herpetological Society* 1(3):13–15.
- Merkord, G. W. 1975. Range extensions and new county records of some Texas amphibians and reptiles. *Herpetological Review* 6:79.
- Mertens, R. 1968. Über Reptilienbastarde, IV. *Senckenbergiana biologica* 49(1):1–12.
- Meylan, P. A. 1982. The squamate reptiles of the Inglis IA fauna (Irvingtonian: Citrus County, Florida). *Bulletin of the Florida State Museum, Biological Sciences* 27(3):1–85.
- Meylan, P. A. 1984. A history of fossil amphibians and reptiles in Florida. *The Plaster Jacket* 44:5–29.
- Miner, R. N. 1959. A size record for Graham's water snake. *Herpetologica* 15:234.
- Minton, S. A., Jr. 1972. *Amphibians and Reptiles of Indiana*. Indiana Academy of Science Monograph No. 3. v + 346 pp.
- Minton, S. A., Jr. 2001. *Amphibians & Reptiles of Indiana*. Revised 2nd Edition. Indiana Academy of Science, Indianapolis, Indiana. xiv + 404 pp.
- Mitchell, J. D. 1903. The poisonous snakes of Texas, with notes on their habits. *Transactions of the Texas Academy of Science* 5:19–48, Plates 1–11.
- Moore, G. A. and C. C. Rigney. 1942. Notes on the herpetology of Payne County, Oklahoma. *Proceedings of the Oklahoma Academy of Science* 22:77–80.
- Morris, M. A., R. S. Funk, and P.W. Smith. 1983. An Annotated Bibliography of the Illinois Herpetological Literature 1960–1980, and an Updated Checklist of Species of the State. *Illinois Natural History Survey Bulletin* 33:123–138.
- Mozley, A. E. 1878. List of Kansas snakes in the museum of the Kansas State University. *Transactions of the Kansas Academy of Science* 6:34–35.
- Müller, M. 2005. *Wetlands in Your Pocket. A Guide to Common Plants and Animals of Midwestern Wetlands*. University of

- Iowa Press, Iowa City, Iowa. Unpaginated foldout chart.
- Murrow, D. 2008. KHS spring 2008 field trip compilation. *Journal of Kansas Herpetology* 26:2–4.
- Murrow, D. 2009. Results of the KHS 2009 spring field trip results. *Journal of Kansas Herpetology* 30:2–6.
- Mushinsky, H. R. 1987. Foraging ecology. Pp. 302–334 *in* *Snakes: Ecology and Evolutionary Biology* (R. A. Seigel, J. T. Collins, and S. S. Novak, editors). McGraw-Hill Publishing Company, New York, New York.
- Mushinsky, H. R. and J. J. Hebrard. 1977a. Food partitioning by five species of water snakes in Louisiana. *Herpetologica* 33:162–166.
- Mushinsky, H. R. and J. J. Hebrard. 1977b. The use of time by sympatric water snakes. *Canadian Journal of Zoology* 55:1545–1550.
- Mushinsky, H. R. and J. J. Hebrard. 1978. Behavioral and seasonal aspects of the thermal ecology of water snakes. *In* [Herpetology section of] *Joint Annual Meeting Abstracts. Society for the Study of Amphibians and Reptiles 21st. American Society of Ichthyologists and Herpetologists 58th. Herpetologists' League 26th. Arizona State University. Tempe, Arizona. 31 May – 7 June (Not a Publication).* [Un-paginated; Abstracts are listed alphabetically by author].
- Mushinsky, H. R. and D. E. Miller. 1993. Predation on water snakes: Ontogenetic and interspecific considerations. *Copeia* 1993:660–665.
- Mushinsky, H. R., J. J. Hebrard, and M. G. Walley. 1980. The role of temperature on the behavioral and ecological associations of sympatric water snakes. *Copeia* 1980:744–754.
- Myers, C. W. 1957. Amphibians and reptiles of Washington State Park, Washington County, Missouri. *Transactions of the Kansas Academy of Science* 60:288–293.
- Nakamura, E. L. and H. Smith. 1960. A comparative study of selected characters in certain American species of watersnakes. *Transactions of the Kansas Academy of Science* 63:102–113.
- Necker, W. L. 1938. Check list of the reptiles and amphibians of the Chicago region. *The Chicago Academy of Sciences Leaflet* 1. [4 pp.]
- Necker, W. L. 1939a. Revised check list of the reptiles and amphibians of the Chicago region. *The Chicago Academy of Sciences Leaflet* 11. [4 pp.].
- Necker, W. L. 1939b. Records of amphibians and reptiles of the Chicago region, 1935–1938. *Bulletin of the Chicago Academy of Sciences* 6:1–10.
- Neill, W. T. 1958. The occurrence of amphibians and reptiles in saltwater areas, and a bibliography. *Bulletin of Marine Science in the Gulf and Caribbean* 8:1–97.
- Nemuras, K. 1966. Notes on some first spring appearances. *Herp: Bulletin of the New York Herpetological Society* 2(5):4–5.
- Nickerson, M. A. and R. Krager. 1972 (“1971”). Noteworthy records of Missouri reptiles. *Transactions of the Kansas Academy of Science* 74:99–101.
- Niemiller, M. L., R. G. Reynolds, and B. T. Miller (editors). 2013. *The Reptiles of Tennessee*. The University of Tennessee Press, Knoxville, Tennessee. xxiii + 366 pp.
- Obst, F. J., K. Richter, and U. Jacob. 1984. *Lexikon der Terraristik und Herpetologie*. Edition Leipzig, German Democratic Republic. 466 pp.
- Obst, F. J., K. Richter, and U. Jacob. 1988. *The Completely Illustrated Atlas of Reptiles and Amphibians for the Terrarium*. T. F. H. Publications, Inc., Neptune City, New Jersey. 831 pp.
- Ortenburger, A. I. 1926. A preliminary list of the snakes of Oklahoma. *Proceedings of the Oklahoma Academy of Science* 5:83–



- 87.
- Ortenburger, A. I. 1927a. The University of Oklahoma Museum of Zoology Expedition of 1925. Proceedings of the Oklahoma Academy of Science 6:85–88.
- Ortenburger, A. I. 1927b. A key to the snakes of Oklahoma. University of Oklahoma Bulletin, Part 1, 6:197–218.
- Ortenburger, A. I. 1927c. A report on the amphibians and reptiles of Oklahoma. The University of Oklahoma Academy of Science Bulletin 6:89–100.
- Ortenburger, A. I. 1930. A key to the lizards and snakes of Oklahoma. Publications of the University of Oklahoma Biological Survey 2:209–239.
- Osborne, H. 1891. A partial catalogue of the animals of Iowa, represented in the collections of the Department of Zoology and Entomology of the Iowa Agricultural College. Board of Trustees of the Iowa Agricultural College. 39 pp.
- Owen, J. G. 1989. Patterns of herpetofaunal species richness: Relation to temperature, precipitation, and variance in elevation. *Journal of Biogeography* 16:141–150.
- Owen, J. G. and J. R. Dixon. 1989. An ecogeographic analysis of the herpetofauna of Texas. *The Southwestern Naturalist* 34:165–180.
- Parker, M.V. 1947. Notes on the herpetology of Clay and Greene counties, Arkansas. *Proceedings of the Arkansas Academy of Science* 2:15–30.
- Parks, H. B. and V. L. Cory. 1936. Biological Survey of the East Texas Big Thicket Area. Sponsored by Sam Houston State Teachers College, Texas Agricultural Experiment Station, The East Texas Big Thicket Association, The Forest Committee, and the Texas Academy of Science. [Publisher not provided]. 51 pp.
- Parks, H. B. and V. L. Cory. 1938. Biological Survey of the East Texas Big Thicket Area. Second Edition. Sponsored by Sam Houston State Teachers College, Texas Agricultural Experiment Station, The East Texas Big Thicket Association, The Forest Committee, and the Texas Academy of Science. [Publisher not provided]. 51 pp.
- Parks, H. B., F. Archibald, and M. Caldwell. 1939. Amphibians and reptiles of east Texas pine belt. *Technical Bulletin of Stephen F. Austin State Teachers College* 1(6):[3 pp.].
- Parmalee, P. W. 1955. Reptiles of Illinois. *Illinois State Museum, Popular Science Series* 5. 88 pp.
- Parmley, D. and R. S. Pfau. 1997. Amphibians and reptiles of the Late Pleistocene Tonk Creek local fauna, Stonewall County, Texas. *The Texas Journal of Science* 49:151–158.
- Pearsall, G. S. 1940. List of the Fauna and Flora of the Forest Preserve District of Cook County. The Forest Preserve District of Cook County, River Forest, Illinois. 35 pp. [Date and page numbers not verified by author].
- Penn, G. H. 1950. Utilization of crawfishes by cold-blooded vertebrates in the eastern United States. *The American Midland Naturalist* 44:643–658.
- Pentecost, E. D. and R. C. Vogt. 1976. Environmental Status of the Lake Michigan Region. Volume 16. Amphibians and Reptiles of the Lake Michigan Drainage Basin. Argonne National Laboratory Report ANL/ES-40. 69 pp.
- Perkins, C. B. 1940. A key to the snakes of the United States. *Bulletins of the Zoological Society of San Diego* 16:3–63.
- Perkins, C. B. 1949. Key to the snakes of the United States. Second edition. *Bulletins of the Zoological Society of San Diego* 24:3–79.
- Perkins, R. M. and M. J. R. Lentz. 1934. Contribution to the herpetology of Arkansas. *Copeia* 1934:139–140.
- Peters, J. A. 1942. Reptiles and amphibians of Cumberland County, Illinois. *Copeia* 1942:182–183.

- Phillips, C. A., R. A. Brandon, and E. O. Moll. 1999. Field Guide to Amphibians and Reptiles of Illinois. Illinois Natural History Survey Manual 8. Illinois Natural History Survey, Champaign, Illinois. xv + 282 pp.
- Pinney, R. 1967. Chemical perception in snakes. *Herp: Bulletin of the New York Herpetological Society* 4(2):15–17.
- Platt, D. R. 2003. Lizards and snakes (Order Squamata) of Harvey County, Kansas. *Journal of Kansas Herpetology* 6:13–20.
- Pope, C. H. 1937. *Snakes Alive and How They Live*. The Viking Press, Inc., New York, New York. xii + 238 pp.
- Pope, C. H. 1964. Amphibians and Reptiles of the Chicago Area. Chicago Natural History Museum, Chicago, Illinois. 275 pp., Plates 1–12.
- Porter, K. R. 1972. *Herpetology*. W. B. Saunders Company, Philadelphia, Pennsylvania. xi + 524 pp.
- Potts, G. D. and J. T. Collins. 1991. A Checklist of the Vertebrate Animals of Kansas. The University of Kansas Museum of Natural History Special Publication 18. v + 42 pp.
- Potts, G. D., and J. T. Collins. 2005. A Checklist of the Vertebrate Animals of Kansas. Third (Revised) Edition. Sternberg Museum of Natural History, Fort Hays State University, Hays, Kansas. vi + 50 pp.
- Potts, G. D., J. T. Collins, and K. Shaw. 2001 (1999). A Checklist of the Vertebrate Animals of Kansas. Second (Revised) Edition. Second Printing. Kansas Biological Survey Bulletin. v + 50 pp.
- Powell, R., K. P. Bromeier, N. A. Laposha, J. S. Parmerlee, and B. Miller. 1982. Maximum sizes of amphibians and reptiles from Missouri. *Transactions of the Missouri Academy of Science* 16:99–106.
- Powell, R., J. T. Collins, and E. D. Hooper, Jr. 1998. A Key to Amphibians & Reptiles of the Continental United States and Canada. University Press of Kansas, Lawrence, Kansas. 131 pp.
- Powell, R., J. T. Collins, and E. D. Hooper, Jr. 2012. Key to the Herpetofauna of the Continental United States and Canada. Second Edition, Revised and Updated. University Press of Kansas, Lawrence, Kansas. vii + 152 pp.
- Powell, R., R. Conant, and J. T. Collins. 2016. Peterson Field Guide to Reptiles and Amphibians of Eastern and Central North America. Fourth Edition. Houghton Mifflin Harcourt Publishing Company, New York, New York and Boston, Massachusetts. xiv + 494 pp.
- Prairie Research Institute. 2014. Natural and Cultural Resources Master Plan for the Forest Preserves of Cook County. University of Illinois at Urbana-Champaign, Champaign, Illinois. 119 pp.
- Preston, R. E. 1979. Late Pleistocene cold-blooded vertebrate fauna from the mid-continental United States. I. Reptilia; Testudines, Crocodilia. The University of Michigan Museum of Paleontology Papers on Paleontology 19:1–53.
- Preston, W. B. 1970. The Comparative Ecology of Two Water Snakes, *Natrix rhombifera* and *Natrix erythrogaster*, in Oklahoma. Unpublished Ph.D. Dissertation, The University of Oklahoma, Norman, Oklahoma. 79 pp.
- Price, R. 1981. Analysis of the Ecological and Taxonomic Correspondence of Dorsal Snake Scale Microdermatoglyphics. Unpublished Ph.D. Dissertation, New York University. xx + 164 pp., Figures 1–159.
- Price, R. 1983. Microdermatoglyphics: The *Liodytes-Regina* problem. *Journal of Herpetology* 17:292–294.
- Pustejovsky, C. 2013. Snakes of North Texas. A Guide to Common and Notable Species. Quick Reference Publishing, Inc., Austin, Texas. Unpaginated fold-out chart.
- Pustejovsky, C. 2014. Snakes of Louisiana. A Guide to Common & Notable Species. Quick Reference Publishing, Inc.

- Unpaginated fold-out chart.
- Pustejovsky, C. 2016. Snakes of Southeast Texas. A Guide to Common and Notable Species. Quick Reference Publishing, Inc. Unpaginated fold-out chart.
- Pustejovsky, C. 2017a. Snakes of Arkansas. A Guide to Common & Notable Species. Quick Reference Publishing, Inc. Unpaginated fold-out chart.
- Pustejovsky, C. 2017b. Snakes of South Texas. A Guide to Common and Notable Species. Quick Reference Publishing, Inc., [no locality]. Unpaginated fold-out chart.
- Pustejovsky, C. 2017c. Snakes of the Midwest. Illinois, Indiana, Iowa, Michigan, Minnesota, Ohio, Wisconsin. A Guide to Common and Notable Species. Quick Reference Publishing, Inc., [no locality]. Unpaginated fold-out chart.
- Pustejovsky, C. 2017d. Snakes of the Great Plains. Kansas, Nebraska, Oklahoma, and the Texas Panhandle. A Guide to Common and Notable Species. Quick Reference Publishing, Inc., [no locality]. Unpaginated fold-out chart.
- Pustejovsky, C. 2018. Snakes of Missouri. A Guide to Common & Notable Species. Quick Reference Publishing, Inc., [no locality]. Unpaginated fold-out chart.
- Rabalias, F. C. 1969. A checklist of trematodes from Louisiana snakes. The Proceedings of the Louisiana Academy of Science 32:18–20.
- Radtke, A., D. A. McLennan, and D. R. Brooks. 2002. Resource tracking in North American *Telorchis* spp. (Digenea: Plagiorchiiformes: Telorchidae). Journal of Parasitology 88:874–879.
- Rakowitz, V. A., R. R. Fleet, and F. L. Rainwater. 1983. New distributional records of Texas amphibians and reptiles. Herpetological Review 14:85–89.
- Ramsey, L. W. 1954. A possible range extension for *Natrix grahami*. Herpetologica 10:188.
- Ramsey, Z. D. and C. T. McAllister. 2004. *Regina grahamii* (Graham's Crayfish Snake). Herpetological Review 35:294.
- Raun, G. G. 1965. A Guide to Texas Snakes. Museum Notes (Texas Memorial Museum) 9. [6] + 85 pp.
- Raun, G. G. and F. R. Gehlbach. 1972. Amphibians and reptiles in Texas. Dallas Museum of Natural History Bulletin 2:1–61 + + Map Legend Map + Maps 1–140.
- Reinhard, W. and Z. Vogel. 1971. Die Nattern. Pp. 390–423 + 7 plates in Grzimek's Tierleben Enzyklopädie des Tierreiches (H. C. B. Grzimek, editor). Kindler Verlag AG, Zürich, Switzerland.
- Reinhard, W. and Z. Vogel. 1975. Colubrid snakes (H. Hediger, editor). Pp. 381–414, 7 plates in Grzimek's Animal Life Encyclopedia. Volume 6. Reptiles (B. Grzimek, H. Hediger, K. Klemmer, O. Kuhn, and H. Wermuth, editors). Van Nostrand Reinhold Company, New York, New York.
- Ricciuti, E. 2001. The Snake Almanac. A Fully Illustrated Natural History of Snakes Worldwide. The Lyons Press, New York, New York. xvi + 192 pp.
- Riedle, D. 1994. A survey of reptiles and amphibians at Montgomery County State Fishing Lake. Kansas Herpetological Society Newsletter 98:11–13.
- Riedle, J. D. and A. Hynek. 2002. Amphibian and reptile inventory of the Kansas Army Ammunition Plant, Labette County, Kansas. Journal of Kansas Herpetology 2:18–20.
- Rijst, H. v. d. 1990. Differences in size and behaviour due to sex-differences in snakes. Litteratura Serpentina 10:253–261.
- Roever, J. M. 1979. Snake Secrets. Walker and Company, New York, New York. 155 pp. [Shelved herpetology monographs; General snakes].
- Rogers, K. L. 1976. Herpetofauna of the Beck Ranch local fauna (upper Pliocene: Blancan) of Texas. Publications of the Museum, Michigan State University,

- Paleontological Series 1:163–200.
- Rogers, K. 1984. Herpetofaunas of the Big Springs and Hornets Nest quarries (Northeastern Nebraska, Pleistocene: Late Blancan). Transactions of the Nebraska Academy of Sciences 12:81–94.
- Rossi, J. V. and R. Rossi. 1995. Snakes of the United States and Canada: Keeping Them Healthy in Captivity, Volume 2 Western Area. Krieger Publishing Company, Malabar, Florida. 325 pp.
- Rossi, J. V. and R. Rossi. 2003. Snakes of the United States and Canada. Natural History and Care in Captivity. Krieger Publishing Company, Malabar, Florida. xxxvi + 520 pp.
- Rossman, D. A. 1963. Relationships and taxonomic status of the North American natricine snake genera *Liodytes*, *Regina*, and *Clonophis*. Occasional Papers of the Museum of Zoology, Louisiana State University 29:1–29.
- Rossman, N. J., D. A. Rossman, and N. K. Keith. 1982. Comparative visceral topography of the New World snake tribe *Thamnophiini* (Colubridae, Natricinae). Tulane Studies in Zoology and Botany 23:123–164.
- Rundquist, E. M. 1994. Results of the sixth annual KHS herp counts held 1 April–31 May 1994. Kansas Herpetological Society Newsletter 97:5–14.
- Rundquist, E. M. 1995a. Results of the seventh annual KHS herp counts held 1 April–31 May 1995. Kansas Herpetological Society Newsletter 101:11–17.
- Rundquist, E. M. 1995b. Additional KHS herp counts for 1995. Kansas Herpetological Society Newsletter 102:11–13.
- Rundquist, E. M. 1996. Results of the eighth annual KHS herp counts held 1 April–31 May 1996. Kansas Herpetological Society Newsletter 104:6–17.
- Rundquist, E. M. 1998. Results of the tenth annual KHS herp counts for 1998, held 1 April–31 May. Kansas Herpetological Society Newsletter 112:11–18.
- Rundquist, E. M. 1999. Kansas herpetological society herp counts: a 10-year summary and evaluation. Kansas Herpetological Society Newsletter 115:8–15.
- Rundquist, E. M. 2000. Results of the eleventh and twelfth annual KHS herpetofaunal counts for 1999–2000, held 1 April–31 May. Kansas Herpetological Society Newsletter 122:11–16.
- Ruthven, A. G. and C. Thompson. 1913. The variations in the number of vertebrae and ventral scutes in two snakes of the genus *Regina*. The American Naturalist 47:625–632.
- Ryberg, W. A., L. A. Fitzgerald, R. L. Honeycutt, J. C. Cathey, and T. J. Hibbitts. 2004. Vertebrate inventory of Richland Creek Wildlife Management Area, in eastern Texas. The Southwestern Naturalist 49:528–534.
- Savage, J. M. and R. W. McDiarmid. 2018. The Herpetological Contributions of Giorgio Jan (1791–1866). With an Introduction, Annotated Bibliography, Synopsis of Herpetological Taxa, and a Comprehensive Guide to the Iconographie Générale des Ophidiens. Facsimile Reprints in Herpetology, Society for the Study of Reptiles and Amphibians, 920 pp + 326 plates.
- Schmidt, C. 2003. *Regina grahamii* (Graham's crayfish snake). Journal of Kansas Herpetology 6:8.
- Schmidt, K. P. 1953. A Check List of North American Amphibians and Reptiles. Sixth Edition. American Society of Ichthyologists and Herpetologists, and University of Chicago Press, Chicago, Illinois. viii + 280 pp.
- Schmidt, K. P., and D. D. Davis. 1941. Field Book of Snakes of the United States and Canada. G. P. Putnam's Sons, New York, New York. xiii + 365 pp.
- Schmidt, K. P. and W. L. Necker. 1935. Amphibians and reptiles of the Chicago



- region. *Bulletin of the Chicago Academy of Sciences* 5:57–77.
- Schwardt, H. H. 1938. *Reptiles of Arkansas*. University of Arkansas College of Agriculture, Agricultural Experimental Station Bulletin 357:1–47.
- Schwartz, C. W. 1950. Snakes and facts about them. Missouri Conservation Commission, Jefferson City, Missouri. [8 pp.]
- Scott, C. 1996. *Snake Lovers' Lifelist & Journal*. University of Texas Press, Austin, Texas. ix + 246 pp., 31 plates.
- Scott, N. J., Jr. 1996. Evolution and management of the North American grassland herpetofauna. Pp. 40–53 *in* *Ecosystem Disturbance and Wildlife Conservation in Western Grasslands*. A Symposium Proceedings (D. M. Finch, editor). United States Department of Agriculture, Forest Service, Rocky Mountain Forest and Range Experiment Station, General Technical Report RM-GTR-285.
- Secor, S. M. and C. C. Carpenter. 1984. Distribution Maps of Oklahoma Reptiles. Oklahoma Herpetological Society Special Publication 3. i + 57 pp.
- Seehorn, M. E. 1982. *Reptiles and Amphibians of Southeastern National Forests*. United States Department of Agriculture, Forest Service, Southern Region. iii + 85 pp.
- Seigel, R. A. 1992. Ecology of a specialized predator: *Regina grahami* in Missouri. *Journal of Herpetology* 26:32–37.
- Seigel, R. A. and J. T. Collins (editors). 1993. *Snakes. Ecology and Behavior*. McGraw-Hill, Inc., New York, New York. xvi + 414 pp.
- Seigel, R. A. and H. S. Fitch. 1984. Ecological patterns of relative clutch mass in snakes. *Oecologia* 61:293–301.
- Seigel, R. A. and N. B. Ford. 1987. Reproductive ecology. Pp. 210–252 *in* *Snakes: Ecology and Evolutionary Biology* (R. A. Seigel, J. T. Collins, and S. S. Novak, editors.). McGraw-Hill Publishing Company, New York, New York.
- Seigel, R. A., H. S. Fitch and N. B. Ford. 1986. Variation in relative clutch mass in snakes among and within species. *Herpetologica* 42:179–185.
- Shine, R. 1991. Intersexual dietary divergence and the evolution of sexual dimorphism in snakes. *The American Naturalist* 138:103–122.
- Shine, R. 1993. Sexual dimorphism in snakes. Pp. 49–86 *in* *Snakes. Ecology and Behavior* (R. A. Seigel and J. T. Collins, editors). McGraw-Hill, Inc., New York, New York.
- Shine, R. 1994. Sexual size dimorphism in snakes revisited. *Copeia* 1994:326–346.
- Shine, R. and R. A. Seigel. 1996. A neglected life-history trait: Clutch-size variance in snakes. *Journal of Zoology (London)* 239:209–223.
- Sievert, G. and L. Sievert. Undated [1988?]. *A Field Guide to Reptiles of Oklahoma*. Oklahoma Department of Wildlife Conservation, Oklahoma City, Oklahoma. 96 pp. [No date given in publication; listed as 1988 by senior author on list of publications].
- Sievert, G. and L. Sievert. 1993. *A Field Guide to Reptiles of Oklahoma*. Revised. Oklahoma Department of Wildlife Conservation, Oklahoma City, Oklahoma. 104 pp.
- Sievert, G. and L. Sievert. 2006. *A Field Guide to Oklahoma's Amphibians and Reptiles*. Second Printing. Oklahoma Department of Wildlife Conservation, Oklahoma City, Oklahoma. [6] + 205 pp.
- Sievert, G. and L. Sievert. 2011. *A Field Guide to Oklahoma's Amphibians and Reptiles*. Third Edition. Oklahoma Department of Wildlife Conservation, Oklahoma City, Oklahoma. vi + 211 pp.
- Smith, A. G. 1951. Key to the amphibians and reptiles of the Chicago area. *Contributions of the Department of Biological Sciences, Loyola University, Chicago* 7 (= Leaflet No. 2):1–4.

- Smith, H. M. 1950. Handbook of Amphibians and Reptiles of Kansas. University of Kansas Museum of Natural History Miscellaneous Publication 2. 336 pp.
- Smith, H. M. 1953. Snakes as Pets. All-Pets Books, Inc., Fond du Lac, Wisconsin. 50 pp.
- Smith, H. M. 1956. Handbook of Amphibians and Reptiles of Kansas. Second Edition. University of Kansas Publications, Museum of Natural History, Miscellaneous Publication 9. 356 pp.
- Smith, H. M. 1965. Snakes as Pets. Third Edition. T. F. H. Publications, Inc., Neptune City, New Jersey. 126 pp.
- Smith, H. M. 1977. Snakes as Pets. Fourth Edition. T. F. H. Publications, Inc. Ltd., The British Crown Colony of Hong Kong. 160 pp. [T. F. H. Publications, Inc., Neptune City, New Jersey].
- Smith, H. M. and E. D. Brodie, Jr. 1982a. A Guide to Field Identification. Reptiles of North America. Golden Press, New York, New York. 240 pp.
- Smith, H. M. and E. D. Brodie, Jr. 1982b. A Guide to Field Identification. Reptiles of North America. St. Martin's Press, New York, New York. 240 pp.
- Smith, H. M. and H. K. Buechner. 1947. The influence of the Balcones Escarpment on the distribution of amphibians and reptiles in Texas. Bulletin of the Chicago Academy of Sciences 8:1–16.
- Smith, H. M. and J. E. Huheey. 1960. The watersnake genus *Regina*. Transactions of the Kansas Academy of Science 63:156–164.
- Smith, H. M. and O. Sanders. 1952. Distributional data on Texan amphibians and reptiles. The Texas Journal of Science 4:204–219.
- Smith, K. K. and K. A. Mackay. 1990. The morphology of the intrinsic tongue musculature in snakes (Reptilia, Ophidia): functional and phylogenetic implications. Journal of Morphology 205:307–324.
- Smith, M. and C. King. 2018. Herping Texas. The Quest for Reptiles and Amphibians. Texas A&M University Press, College Station, Texas. x + 326 pp.
- Smith, P. W. 1947. The reptiles and amphibians of eastern central Illinois. Bulletin of the Chicago Academy of Sciences 8:21–40.
- Smith, P. W. 1961. The Amphibians and Reptiles of Illinois. Illinois Natural History Survey Bulletin 28. Frontispiece + 298 pp.
- Smith, P. W. and J. C. List. 1955. Notes on Mississippi amphibians and reptiles. The American Midland Naturalist 53:115–125.
- Smith, P. W. and S. A. Minton, Jr. 1957. A distributional summary of the herpetofauna of Indiana and Illinois. The American Midland Naturalist 58:341–351.
- Sokolov, V. E. [Соколова, В. Е.], editor. 1988. Пятиязычный Словарь Названий Животных. Амфибии и Рептилии. Латинский, Русский, Английский, Немецкий, Французский. [Dictionary of Animal Names in Five Languages. Amphibians and Reptiles. Latin, Russian, English, German, French]. Русский Язык Москва. [Russkiy Yazyk Publishers, Moscow, Russia]. 554 pp.
- Southern Biological Supply Co., Inc. 1931. Price List No. 20. Herpetology. Amphibians and Reptiles of Louisiana. Southern Biological Supply Co., Inc., New Orleans, Louisiana. 12 pp.
- Stejneger, L. and T. Barbour. 1917. A Check List of North American Amphibians and Reptiles. Harvard University Press, Cambridge, Massachusetts. 125 pp.
- Stejneger, L. and T. Barbour. 1923. A Check List of North American Amphibians and Reptiles. Second Edition. Harvard University Press, Cambridge, Massachusetts. x + 171 pp.
- Stejneger, L. and T. Barbour. 1933. A Check List of North American Amphibians and Reptiles. Third Edition. Harvard University Press, Cambridge,

- Massachusetts. xiv + 185 pp.
- Stejneger, L. and T. Barbour. 1939. A Check List of North American Amphibians and Reptiles. Fourth Edition. Harvard University Press, Cambridge, Massachusetts. xvi + 207 pp.
- Stejneger, L. and T. Barbour. 1943. A Check List of North American Amphibians and Reptiles. Fifth Edition. Bulletin of the Museum of Comparative Zoölogy at Harvard College 93: xix + 260 pp.
- Stille, W. T. and R. A. Edgren, Jr. 1948. New records for amphibians and reptiles in the Chicago area, 1939-1947. Bulletin of the Chicago Academy of Sciences 8:195-202.
- Stovall, R. H. and J. P. Kennedy. 1979. Pupillary responses in certain snakes (Colubridae). The Southwestern Naturalist 24:701-703.
- Strecker, J. K., Jr. 1902. A preliminary report on the reptiles and batrachians of McLennan County, Texas. Transactions of the Texas Academy of Science 4, Part II: 95-101.
- Strecker, J. K., Jr. 1908. The reptiles and batrachians of McLennan County, Texas. Proceedings of the Biological Society of Washington 21: 69-83.
- Strecker, J. K. 1915. Reptiles and amphibians of Texas. Baylor Bulletin 18(4):1-82.
- Strecker, J. K. 1922. An annotated catalogue of the amphibians and reptiles of Bexar County, Texas. Scientific Society of San Antonio Bulletin 4:1-31.
- Strecker, J. K. 1926a. Notes on the herpetology of the east Texas timber belt 1. Liberty County amphibians and reptiles. Contributions from Baylor University Museum 3:1-4.
- Strecker, J. K. 1926b. On the habits of some southern snakes. Contributions from Baylor University Museum 4:1-11.
- Strecker, J. K. 1927. Observations on the food habits of Texas amphibians and reptiles. Copeia 1927:6-9.
- Strecker, J. K. 1928. Common English and folk names for Texas amphibians and reptiles. Contributions from Baylor University Museum 16:1-21.
- Strecker, J. K. 1930. A catalogue of the amphibians and reptiles of Travis County, Texas. Contributions from Baylor University Museum 23:1-16.
- Strecker, J. K. 1935. A list of hitherto unpublished localities for Texas amphibians and reptiles. The Baylor Bulletin 38(3):35-38.
- Strecker, J. K. and L. S. Frierson, Jr. 1926. The herpetology of Caddo and DeSoto Parishes, Louisiana. Contributions from Baylor University Museum 5:1-10.
- Strecker, J. K. and W. J. Williams. 1927. Herpetological records from the vicinity of San Marcos, Texas, with distributional data on the amphibians and reptiles of the Edwards Plateau region and central Texas. Contributions from Baylor University Museum 12:1-16.
- Strecker, J. K. and W. J. Williams. 1928. Field notes on the herpetology of Bowie County, Texas. Contributions from Baylor University Museum 17:1-19.
- Stunkard, H. W. and R. Franz. 1977. *Paratelorchis dollfus* n. g., n. sp., a digenetic trematode from the striped swamp-snake, *Regina alleni*: Systematic and taxonomic considerations. Transactions of the American Microscopical Society 96:383-389.
- Taylor, E. H. 1929. A revised checklist of the snakes of Kansas. The University of Kansas Science Bulletin 19:53-62.
- Taylor, W. E. 1892a. Catalogue of the snakes of Nebraska with notes on their habits and distribution. The American Naturalist 26:742-752.
- Taylor, W. E. 1892b. The Ophidia of Nebraska. Annual Report of the Nebraska State Board of Agriculture for the Year 1891:310-357.
- Tennant, A. 1984. The snakes of Texas. Texas Monthly Press, Austin, Texas. 561 pp.
- Tennant, A. 1985. A Field Guide to Texas Snakes. Gulf Publishing Company, Houston, Texas. 260 pp.

- Tennant, A. 1998. A Field Guide to Texas Snakes. 2nd Edition. Gulf Publishing, Houston, Texas. xix + 291 pp.
- Tennant, A. 2003. Snakes of North America. Eastern and Central Regions. Revised Edition. Lone Star Books, Lanham, Maryland. xxvii + 605 pp.
- Tennant, A. 2006. Texas Snakes. Third Edition. Taylor Trade Publishing, Lanham, Maryland. xx + 263 pp.
- Tennant, A. and R. D. Bartlett. 2000. Snakes of North America. Eastern and Central Regions. Gulf Publishing Company, Houston, Texas. xxv + 588 pp.
- Thomas, R. A. 1974. A Checklist of Texas Amphibians and Reptiles. Texas Parks and Wildlife Department Technical Series 17. 15 pp.
- Thomas, R. A. 1976. A Checklist of Texas Amphibians and Reptiles. Revised. Texas Parks and Wildlife Department Technical Series 17. 16 pp.
- Thornton, O. W., Jr. and J. R. Smith. 1993. New county records of amphibians and reptiles from west-central Texas. *Herpetological Review* 24:35–36.
- Thornton, O. W., Jr. and J. R. Smith. 1995. *Regina grahami* (Graham's Crayfish Snake). Reproduction. *Herpetological Review* 26:102–103.
- Thurrow, G. R. 1999. Herpetofaunal changes in McDonough County, Illinois. *Transactions of the Illinois State Academy of Science* 92:147–161.
- Thurrow, G. R. and R. P. Sliwinski. 1991. Herpetological distribution records from Illinois. *Bulletin of the Chicago Herpetological Society* 26:129–132.
- Tihen, J. A. 1937. Additional distributional records of amphibians and reptiles in Kansas counties. *Transactions of the Kansas Academy of Science* 40:401–409.
- Tihen, J. A. 1962. A review of New World fossil bufonids. *American Midland Naturalist* 68:1–50.?????????
- Tinkle, D. W. and G. N. Knopf. 1964. Biologically significant distribution records for amphibians and reptiles in northwest Texas. *Herpetologica* 20:42–47.
- Tipton, B. L. 2005. Snakes of the Americas. Checklist and Lexicon. Krieger Publishing Company, Malabar, Florida. xiv + 477 pp.
- Trauth, S. E., H. W. Robison, and M. V. Plummer. 2004. The Amphibians and Reptiles of Arkansas. The University of Arkansas Press, Fayetteville, Arkansas. xviii + 421 pp.
- Tucker, J. K. 1994. Noteworthy distributional records for some snakes from Jersey and Madison counties, Illinois. *Herpetological Review* 25:79–80.
- Tucker, J. K. 1995. Notes on road-killed snakes and their implications on habitat modification due to summer flooding on the Mississippi River in west-central Illinois. *Transactions of the Illinois State Academy of Science* 88:61–71.
- Uhler, F. M. and F. A. Warren. 2008. [A biological survey of] Cheyenne Bottoms, Barton County, Kansas. *Journal of Kansas Herpetology* 26:10–13.
- Vance, T. 1980. Notes concerning locality data of some Texas reptiles. Part I: New county records. *Bulletin of the Chicago Herpetological Society* 15:70–76.
- Vance, T. 1982. A field key to the reptiles of Arkansas. *Herp: Bulletin of the New York Herpetological Society* 17(2):32–48.
- Vance, T. L. 1985. Annotated Checklist and Bibliography of Arkansas Reptiles. *Smithsonian Herpetological Information Service* 63:1–45.
- Van Cleave, H. J. 1928. A study of the characters for the identification of the snakes of Illinois. *Transactions of the Illinois State Academy of Science* 20:133–136.
- Varkey, A. 1979. Comparative cranial myology of North American natricine snakes. Milwaukee Public Museum Publications in Biology and Geology 4. iv + 70 pp.
- Vermersch, T. 2001. 2001 Spring field meet. April 20–22. Government Canyon State Natural Area. Texas Herpetological



- Society Newsletter 62(1):3–7.
- Vermersch, T. G. and R. E. Kuntz. 1986. Snakes of South Central Texas. Eakin Press, Austin, Texas. xiii + 137 pp.
- Viets, B. E. 1993. An annotated list of the herpetofauna of the F. B. and Rena G. Ross Natural History Reservation. Transactions of the Kansas Academy of Science 96:103–113.
- Viosca, P., Jr. 1950. Amphibians and reptiles of Louisiana. Louisiana Academy of Sciences Popular Science Bulletin 1. 12 pp.
- Viosca, P., Jr. 1962. Harmless Snakes of Louisiana. Louisiana Wild Life and Fisheries Commission, New Orleans, Louisiana. 8 pp.
- Vitt, L. J. and J. P. Caldwell. 2014. Herpetology. An Introductory Biology of Amphibians and Reptiles. Fourth Edition. Elsevier, Inc., Amsterdam, The Netherlands / Academic Press, Waltham, Massachusetts. xiv + 757 pp.
- Vogel, Z. 1963. Wunderwelt Terrarium. Urania-Verlag, Leipzig, German Democratic Republic. 253 pp., Photographic Plates 1–253.
- Vogel, Z. 1964a. Reptiles and Amphibians. Their Care and Behaviour. Translated and Revised by Gwynne Vever. The Viking Press, New York, New York. 228 pp., Photographic Plates 1–253.
- Vogel, Z. 1964b. Reptiles and Amphibians. Their Care and Behaviour. Translated and Revised by Gwynne Vever. Studio Vista, London, United Kingdom. 228 pp., Photographic Plates 1–253.
- Volkman, A. and S. Wiechman. 1994. 1st Chisholm Creek Park herp count. Kansas Herpetological Society Newsletter 98:4.
- Wacha, R. S. and J. L. Christiansen. 1974. Systematics of the eimerian parasites from North American snakes of the family Colubridae, and their prevalence in the colubrids of Iowa. The Journal of Protozoology 21:483–489.
- Walker, J. M. 1963. Amphibians and reptiles of Jackson Parish, Louisiana. The Proceedings of the Louisiana Academy of Sciences 26:91–101.
- Wallach, V. 1998. The lungs of snakes. Pp. 93–295 in Biology of the Reptilia, Volume 19, Morphology G. Visceral Organs (C. Gans and A. S. Gaunt, editors). Contributions to Herpetology 14. Society for the Study of Amphibians and Reptiles, Ithaca, New York.
- Wallach, V., K. L. Williams, and J. Boundy. 2014. Snakes of the World. A Catalogue of Living and Extinct Species. CRC Press, Boca Raton, Florida. xxvii + 1209 pp.
- Walley, H. D. 1977. *Regina grahami*. Herpetological Review 8:39.
- Walley, H. D. 2002. New reptilian records from eastern Iowa. Bulletin of the Maryland Herpetological Society 38:51–54.
- Walls, J. G. 1993. A queen and her court. Crayfish snakes of the genus *Regina*. Reptile & Amphibian Magazine. July/Aug. 1993:6–11, 13–15.
- Walston, L. J., Sr. and L. J. Walston Jr. 2008. *Regina grahamii*. Herpetological Review 39:373.
- Waters, R. M. and G. M. Burghardt. 2005. The interaction of food motivation and experience in the ontogeny of chemoreception in crayfish snakes. Animal Behaviour 69:363–374.
- Webb, R. G. 1970. Reptiles of Oklahoma. University of Oklahoma Press, Norman, Oklahoma. xi + 370 pp.
- Webb, R. G. and A. I. Ortenburger. 1955 (“1953”). Reptiles of the Wichita Mountains Wildlife Refuge, Comanche County, Oklahoma. Proceedings of the Oklahoma Academy of Science 34:87–92.
- Weed, A. C. 1923. Notes on reptiles and batrachians of central Illinois. Copeia 116:45–50.
- Welch, K. R. G. 1987. Handbook on the Maintenance of Reptiles in Captivity. Krieger Publishing Company, Malabar, Florida. v + 156 pp.
- Werler, J. E. and J. R. Dixon. 2000. Texas

- Snakes. Identification, Distribution, and Natural History. University of Texas Press, Austin, Texas. xv + 437 pp.
- Werner, F. 1929. Übersicht der Gattungen und Arten der Schlangen aus der Familie Colubridae. III. Teil (Colubrinae). Mit einem Nachtrag zu den übrigen Familien. Zoologische Jahrbücher, Abteilung für Systematik, Ökologie und Geographie der Tiere 57:1-196.
- Whiting, M. J., J. R. Dixon and B. D. Green. 1999 ("1998"). Notes on the spatial ecology and habitat use of three sympatric *Nerodia* (Serpentes: Colubridae). The Snake 28:44-50.
- Williams, A. A. 1997. *Regina grahamii* (Graham's Crayfish Snake). Herpetological Review 28:98.
- Williamson, G. K. and R. A. Moulis. 1994. Herpetological Specimens in the Savannah Science Museum Collection. Volume 2 - Reptiles. Savannah Science Museum Special Publication 2. [7] + 418 pp.
- Wilson, A.K. 1999. New Illinois Amphibian and Reptile distribution records from the Kaskaskia River drainage. Herpetological Review 30:118-120.
- Wright, A. H. and A. A. Wright. 1952. List of the snakes of the United States and Canada by states and provinces. The American Midland Naturalist 48:574-603.
- Wright, A. H. and A. A. Wright. 1957. Handbook of Snakes of the United States and Canada. Volume I. Comstock Publishing Associates, Ithaca, New York. xviii + 564 pp. [Additional printings in 1965, 1967, 1970, 1979, and 1985]
- Wright, A. H. and A. A. Wright. 1994. Handbook of Snakes of the United States and Canada. Volume I. Comstock Publishing Associates, Ithaca, New York. xviv + 564 pp.
- Wrobel, M. (Compiler). 2004. Elsevier's Dictionary of Reptiles in Latin, English, German, French and Italian. Elsevier B. V., Amsterdam, The Netherlands. ix + 758 pp.
- Yarrow, H. C. 1883a ("1882"). Check list of North American Reptilia and Batrachia, with catalogue of specimens in U. S. National Museum. Bulletin of the United States National Museum 24. vii + 249 pp.
- Yarrow, H. C. 1883b. Check list of North American Reptilia and Batrachia, based on specimens contained in the United States National Museum. Smithsonian Miscellaneous Collections 517:1-28.
- Young, R. A. 1973. Notes on the Graham's water snake, *Regina grahami* Baird and Girard in DuPage County, Illinois. Bulletin of the Chicago Herpetological Society 8:4-5.
- Zhao, E.-m., Y.-m. Jiang, Q.-y. Huang, S.-c. Hu, L. Fei, and C.-y. Ye. 1993. 拉汉英两栖爬行动物名称 [La Han Ying Liang qi pa xing Dong Wu Ming Cheng] [Latin-Chinese-English Names of Amphibians and Reptiles]. 科学出版社 北京 [Ke Xue chu ban She Bei Jing] [Science Press, Beijing]. v + 329 pp.
- Zhao, E.-m., Y.-m. Jiang, Q.-y. Huang, S.-c. Hu, L. Fei, and C.-y. Ye. 1998. 拉汉英两栖爬行动物名称 [La Han Ying Liang qi pa xing Dong Wu Ming Cheng] [Latin-Chinese-English Names of Amphibians and Reptiles]. 科学出版社 北京 [Ke Xue chu ban She Bei Jing] [Science Press, Beijing]. v + 329 pp.
- Zimmerman, J. L. 1990. Cheyenne Bottoms. Wetland in Jeopardy. University Press of Kansas, Lawrence, Kansas. 197 pp.

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